

SEQUENCE LISTING

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<120> PRODUCT AND METHOD

<130> Q87920

<140> US 10/535,414

<141> 2005-05-19

<150> PCT/GB03/05102

<151> 2003-11-21

<160> 501

<170> PatentIn version 3.3

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taagaatgaa aaggtcatag aacacatcat ggaggacctg gacacaaatg cagacaagca	240
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gttaatatata caatttcagt ctcttggttt tgacagatgt accatggtga tgtaagatgt	180
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aatatgaaga cttagaagag tagcatgagg aaggaaaaga taaaagggtt ctaaacatg 240
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 tgtatgagat ggttaaaaag gccaaagata aaagggtttct ttttttttcc ttttttgtct 180
 atgaagttgc tgtttatttt ttttggcctg tttgatgtat gtgtgaaaca atgtttgtcca 240
 acaataaaca ggaattttat tttgctgagt tgttctaaaa aaaaaaaaaa aaaaaaa 297

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 cagcctgtca cttaactga taaacgacag attaacagta gaaaaatttt attttgcata 180
 cataatgagg cttcacaaaa gagaagtga aaccaagta ggagtttagg gctgggggct 240
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 aattaatttt gagttgtttg gataaaaatg tttcagttga ctgtagtgtg tattgagaga 300
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acgtattggc acctgcctcc ttttcggcca cccccagat gaggcagctg tgactgtgtc 240

aagggaagcc acgactctga ccatagtctt ctctcagctt ccactgccgt ctccacagga 300

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 cctagctctt ctcaagtgtc actattataa acaatgctac agtgaatatt ggtgnataaa 240
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 atgaattcta tttaaatttg tcacttaata tttagccaag aagcaaacca tctaaaaaga 240
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gaagataacc tgcatttaaa atttgactgc tagggtcagg gtcacattta aattaaatta	720
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caaatttata ttttcggtga aatacagata ttgcctttc tggagtanta tagaagctgt	240
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gcattgtttt tacagtttgt agtaagtaac tttttaaaga ttttatcaaa aagaattttg	480
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 <213> Homo sapiens

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ggctgatggg cacctctgtt ggttccatca gccagagctc tgccaaaggc cccgcagtcc	180
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tctgtggggtt tttaatatgg attggaaatc tgtgggtttt taatatggat taaaaaacat	240
ctgtggggttt ttaatatgga ttaaacaatct gtgggttttt aatatggatt aaacatctgg	300
gtttttaata tggattaaac atctgtgggt ttttaatatg ggttaaaaat caaaagaaaa	360
tgaactatct gctccagtgc aggaaaatac aggcaatact ggatacaatt agatggtcag	420
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 <213> Homo sapiens

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gctgccacca	tactcgcga	gagaatcccc tccatctttg ggaggggttg atgccagaca 240
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 <212> DNA
 <213> Homo sapiens

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa

154

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 <212> DNA
 <213> Homo sapiens

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 ggtcacatat tttttaactt ttttctaatt tgaaaagtaa tacaggcata tggatatttta 180
 aaaatgaaac aacacaaagg gatatgtttt gaaaagtggg tcttgccatc cctgaactgt 240
 aatcatccct aacatattca tacctgtttt catttttaaaa gttgggtcag tttttttatt 300
 agtacatgta tttctatcct actgatttat ttgctatatc atctaattta gtttgaatat 360
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 taaacaatgc tacagtgaat attggtgtat aaatccatac acaccacgta acatatctta 480
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 agggtcaggg tcacatttaa attaaattag aacaaggaat gcataatgtc ttcgatagca 600
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 tagtgtttta attaccctta gaatatatgg ataaaaaata ctattctttg tcttgagaa 180
 ggtaagagtc tagttagatg aataaggggtt atctatgtag aacaactaga gaatgagaag 240
 agagcttatg agattgagta ctacgttatg cagtagagta gcacgtcatc tgctactgag 300
 tatggtgtga taacattgtg taacaggaaa gtatgatcaa tatctactta aaattaagga 360
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 tgtaagtaca ataaaagctg atctttctag ttaagcagaa taatacatgt tcaagcatct 480
 gctaaatcat taaatataag aatatagggg ttttctataa tcttattttc tttggaagag 540

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ttaatgttcc	cagcacaaaa	attaatatct	cttcaaaaag	tctcttgtga	ttaagtttga	660
atcccttgtc	atactgcttc	taatattgac	actgacctcc	ttaggtattt	ttcagggggt	720
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agagactctc	ctatctcacg	gttgaggcag	accaggata	gaatagagaa	taaaaggaat	180
gcttatagga	aacaattttg	tatggaatgc	tagatggcca	agcctcagcc	tttggtccag	240
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ctgacctgct	atcccacccc	aaattcaacc	tgaggtatat	ttcagtgaag	caggtagctg	600
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<220>
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aaaaattgga	tgaaaatctg	cacagcaaag	tgaaacacac	agataatagg	aacaaaatgt	120
agttcccatg	tgccaaacaa	aataaatgaa	atctctgcat	gtttgcagca	tatctgcctt	180
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tggtacacca	gaaaaggact	ggcagtctac	ttctaccata	gttaaacttc	accctcttta	300
atttcacaac	atattctttg	gaagcaggaa	gaaatgctca	taaagaggat	cagaccttct	360
ttcccgtgaa	accagtattt	ggcgccatat	ataagcctgg	ttaaattggg	catctaaagc	420

tgtcaaataa gacattctgt gaaaggtaaa catcgaaact gggtataagt aaaaccatca	480
agccaacaac aggggtcttga gataaccttt gaagcttatt gtctggcctg caccagaaga	540
tgtctgcatt actcattgct aaaaatgtgt acacagaact gcactaggat taattggttc	600
aagaagaaat ttaaacttac gtttggggtt ccatacagca ctctattgaa tacatgcatc	660
tgaatttaag ttgcaa	676

<210> 23
 <211> 609
 <212> DNA
 <213> Homo sapiens

<400> 23 gaccagtaat ggctttttaag agtccatttt gtcattgtct ccctagttaa ttacaggtgg	60
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tccttaaagt tgtagctgtc atgacagat tttttttata tttcctcagc ttaactctgc	180
tacttgattt acagtgacct ataacctact catccttggg ttatagtgc acataatctt	240
atctctttat agaaccttaa attttatcat ttttttcgct tagaatacag cttttctttg	300
cttctgttgc tggtttgact taagaaataa ggcagtaact ctgatcaatc aattatccat	360
aaggaagggc ttttcatggg ttctattaat ttgtagtac cctaagtata tctgaaaaat	420
atgtctattg agagaagatt ttggcattcc agatgggtata gtctatatat atttaaagtt	480
ttgaatttgc ttatatatac tcagctttct ttttctagca tttttgcatt tacctgttaa	540
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<210> 24
 <211> 554
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (149)..(149)
 <223> n is a, c, g, or t

<220>
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 <222> (177)..(177)
 <223> n is a, c, g, or t

<220>
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 <222> (463)..(463)
 <223> n is a, c, g, or t

<400> 24 cccgaatcg cgccccgcgt cgacaacaaa cctgcatgtt ctgcacatgt atccaggaac	60
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aagatctatg	ggtttttaat	atggattana	aatctgtggg	tttttgatat	ggattanaaa	180
tctgtggggt	tttaatatgg	attggaaatc	tgtggggttt	taatattgat	taaaaaacat	240
ctgtggggtt	ttaatatgga	ttaaacaatc	gtggggtttt	aatatggatt	aaacatctgg	300
gtttttaata	tggattaaac	atctgtgggt	ttttaatatg	ggttaaaaat	caaaagaaaa	360
tgaactattt	gctccagtgc	aggaaaatac	aggcaatact	ggatacaatt	agatgggtcag	420
gagcgataac	ccggttgcca	ttgtttgaag	aagagaataa	ggngctagca	ttcctatccg	480
tagataattt	gacagctagg	aaataggggg	agtcttctat	gtagttagtg	aaggctaaat	540
gaactattat	atgc					554

<210> 25
 <211> 674
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n is a, c, g, or t

<220>
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 <222> (506)..(506)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (672)..(672)
 <223> n is a, c, g, or t

<400> 25		
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gcaggagaga	gagcaggata	aatgctacca gtattggcca accgagggct cagttactca 180
tggagaaata	acgattgaga	taaagaatga taccctttca gaagccatca gtatacgaga 240
ctttctgggtc	actctcaatc	agccccaggc ccgccaggag gagcaggtcc gagtagtgcg 300
ccagtttcac	ttccacggct	ggcctgagat cgggattccc gccgagggca aaggcatgat 360
tgacctcatc	gcagccgtgc	agaagcanca gcagcagaca ggcaaccacc ccatcaccgt 420
gcactgcagt	gccggagctg	ggcgaacagg tacattcata gccctcagca acattttgga 480
gcgagtaaaa	gccgagggac	ttttanatgt atttcaagct gtgaagagtt tacgacttca 540
gagaccacat	atggtgcaac	cctggaacag tatgaaatgt gctacaaagt ggtacaagat 600
ttattgatat	atttctgatt	atgctaattt caatgaagat cctgccttaa atatttttta 660
atttaatggc	anat	674

<210> 26
 <211> 609
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (524)..(524)
 <223> n is a, c, g, or t

<400> 26
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 tttagtgcac acttaatttg atgattaaat atggtagaat taagcatttt aaatgttaat 180
 gtttgttaca ttgttcaaga aataagtaga aatatattcc ttgttttttt atttaaattt 240
 ttgttcctct gtaaactaaa agaacacgaa gtaattgggc acaattactg gtgtttaact 300
 gccaaatatg ggtaaataag ggaaaatttt gtttaatat tagtccttct gagatggctt 360
 gaatatttga attttgttgt acgtctatac tgggtagtca caagtcttat aaacacttta 420
 gaggaagat ggatttcagt ctgtattttt aaacatcatt ttttttaaat ctggtgctga 480
 aaaataagaa aaaaattaaa ctgcattctg ctgttcttct ttanaagcat tcctgcgtaa 540
 atactgctgt aatactgtca tgcaaagtgt atcctttctt gtcgtatcct ttttggggca 600
 gtgggttttt 609

<210> 27
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 27
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 aatgacaaca gaaaaacaat cttattccga gcattccagt aacttttttg tgtatgtact 120
 tagctgtact ataagtagtt ggtttgtagt agatgggttaa aaaggccaaa gataaaaggt 180
 ttcttttttt ttcttttttt gtctatgaag ttgctgttta ttttttttgg cctgtttgat 240
 gtatgtgtga aacaatgttg tccaacaata aacaggaatt ttattttgct gagttgttct 300
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ttttaaaatt 360
 tttaaaataa aacccttggt tat 383

<210> 28
 <211> 729
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (213)..(213)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (306)..(306)
 <223> n is a, c, g, or t

<400> 28
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 gcctcctgcc ctgatcaggg accctccccg ctttcctggg cctctcagtt gaacaaagca 180
 gcaaaacaaa ggcagtttta tatgaaagat tanaagcctg gaataatcag gctttttaaa 240
 tgatgtaatt cccactgtaa tagcataggg attttggaag cagctgctgg tggcttgggg 300
 catcantggg gccaaagggt ctctgtccct gggttcaactg tgatttggtt ttcccgtgtc 360
 tttcctggtg atgccttggt tggggttctg tgggtttggg tgggaagagg gccatctgcc 420
 tgaatgtaac ctgctagctc tccgaagccc tgcgggcctg gcttggtgta gcgtgtggac 480
 agtggtggtc gcgctgtgcc tgctcgtgtt gcctacatgt ccctggcttg ttgaggcgct 540
 gcttcaacct gcacccctcc ttgtctcata gatgctcctt ttgacctttt caaaattaat 600
 atggatggga aagctcctat gccttttggc ttcctggtag aaggcgggat gcccaagggt 660
 ctgcctgggt gtggattgga tgcttggggt gtggggggtg gaaactgtct tgtggcccac 720
 ttgggcccc 729

<210> 29
 <211> 552
 <212> DNA
 <213> Homo sapiens

<400> 29
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 ccagagactc tcctatctca cggttgaggc agaccagga tagaatagag aataaaagga 180
 atgcttatag gaaacaattt tgtatggaat gctagatggc caagcctcag cctttggtcc 240
 agtgcaaccc ttgcctcgct tgtcaacagt gaaaaattag tttggttaga agaaccatct 300
 ggaaacacac cagcttctgc taccttcatg ctcatgttta aaaaaagatt aaccagtgtg 360
 aacattctga tctgttaatt ccagggactg ttttccttcc aatggactgt ttgttggtg 420
 aataaccccc aaaagctcaa agctaaaatg catcatcagt cctagtcggc agttccttaa 480
 gaatggactg gcggcgtggg tgagctgatt tggaaaactg cccttctgca aaaaacactg 540
 gcctgctttc ca 552

<210> 30
 <211> 606
 <212> DNA
 <213> Homo sapiens

<400> 30
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 acatttcaca acaatatgtg tttgtggagt taaatatttt ttgtctttaa aacaggtaat 120
 tttagtgcac acttaatttg atgattaaat atggtagaat taagcatttt aaatgttaat 180
 gtttgttaca ttgttcaaga aataagtaga aatatattcc tttgtttttt atttaaattt 240
 ttgttcctct gtaaaactaaa agaacacgaa gtaattgggc acaattactg gtgtttaact 300
 gccaaatatg ggtaaataag ggaaaatttt gtttaatat tagtccttct gagatggctt 360
 gaatatttga attttgttgt acgtctatac tgggtagtca caagtcttat aaacacttta 420
 gaggaagat ggatttcagt ctgtattttt aaacatcatt tattttaaat ctggtgctga 480
 aaaataagaa aaaaattaaa ctgcattctg ctgttcttct ttagaagcat tcctgcgtaa 540
 atactgctgt aatactgtca tgcaaagtgt atcctttctt gtcgtatcct ttttggggca 600
 gtggtt 606

<210> 31
 <211> 734
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (448)..(448)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (617)..(617)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (663)..(663)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (677)..(677)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (706)..(706)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (710)..(710)

<223> n is a, c, g, or t

<400> 31

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acacttctgc tcagctctgt gacacgggca gggaccctgc agggctcagg tcctttaaca	180
cagcagcttc attctaacac cagcagcggtt ggaacacacg tacaagtatg cagactaagc	240
tcttgcttgg ctgatacggc tttttgggtt tttagagaac atgcatatat gttctcattc	300
atggtacatg aactcagaag ccttactgcc ttttttgggtt aatacttctg ggcaaacatt	360
accacttaca actcacacca gttagaaatc atttgtaaaa tgttatttaa taaagccaaa	420
gaactaaatc atattttattt tccaaggntt tctaagatct ctgaaactaa tgagggtttt	480
taaatcccca ttaagtactc atcactgcta gtaaaagcag ttgtctttac ctttaattcc	540
agtgagtccc cttaaattta ttttttatta tctttggcta cattgcctta gacaaaatgt	600
ggtcacccta atttaangga taaaattcac atcctcacag atttcttatt aagaggggtct	660
aanccttgaa taatcancag tggaaatgga agtcttcttt actggntttt atcctttccc	720
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<210> 32

<211> 517

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (53)..(53)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (89)..(89)

<223> n is a, c, g, or t

<400> 32

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gctgggggaa aatgagttct aattgtcana gctaccaaatt ccttcacctt tagcataaag	120
gtttaaagat atcacaaaga tgccaagtga ttaataatgt tttaaaccac ccctttttct	180
gtctgaaaaa acaactaaaa caatattaca acagtatagt tacagaaggg ttctattttc	240
atatgtttta tgcacactgt gcctcaaagg tactatttaa atatataac ttttgagggg	300
gtggctaatt cagaaacacc caagacctaa ggaagataca accccatttc taggtgtgag	360
gtctaaatgc ttcacacacc cacttgtgac cttttttcat gaagaatcat aacactgtgc	420
agtgagaaac agtggcaaag caatactgaa agcattttta attatttact aggttaaaag	480
ggtgaactga tacttttaa atcatcaaatt tcatcat	517

<210> 33
 <211> 536
 <212> DNA
 <213> Homo sapiens

<400> 33
 gcaagtgaga gccggacggg cactgggcga ctctgtgcct cgctgaggaa aaataactaa 60
 acatgggcaa aggagatcct aagaagccga gaggcaaaat gtcatcatat gcattttttg 120
 tgcaaacttg tcgggaggag cataagaaga agcaccacaga tgcttcagtc aactttctcag 180
 agttttctaa gaagtgtca gagaggtgga agaccatgtc tgctaaagag aaaggaaaat 240
 ttgaagatat ggcaaaagcg gacaaggccc gttatgaaag agaaatgaaa acctatatcc 300
 ctcccaaagg ggagacaaaa aagaagttca aggatcccaa tgcacccaag aggcctcctt 360
 cggccttctt cctcttctgc tctgagtatc gcccaaaaat caaaggagaa catcctggcc 420
 tgtccattgg tgatgttgcg aagaaactgg gagagatgtg gaataacact gctgcagatg 480
 acaagcagcc ttatgaaaag aaggctgcga agctgaagga aaaatacgaa aaggta 536

<210> 34
 <211> 622
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (5)..(5)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (8)..(8)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (25)..(25)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (65)..(65)
 <223> n is a, c, g, or t

<220>
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 <222> (79)..(80)
 <223> n is a, c, g, or t

<220>

<221> misc_feature
 <222> (103)..(103)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (143)..(143)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (481)..(481)
 <223> n is a, c, g, or t

<400> 34
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 acctntctga gaaacatann agacaatgag gaaaaggatt cancattccg tggaatttgt 120
 accatgatca gtgtgaatcc cantggcgta atccaagtaa gatgttcaca aagatttgtt 180
 tttaatgtct aattaataaa attttaaagg aagaaacatt ctaatacttt aattataaaa 240
 agttaactat tttaaagggt atcaaaatac agttaaacct ttaaaatgta tttttcttaa 300
 tatcttgaaa ttgtaatgcc tttttttttt cctaaatttt ttttgtcatg aaatgagata 360
 gtaacagcag attgggacaa caagggtata ttcttgtctt gaatcaggcc atggcttctt 420
 tcatccaaat ttcagacctc atttattttac ttgttccttg cctcccatcc ctggatatca 480
 ngtttgtgga tatctacagt taatagagtg accaaatagt aggaatactg tctctctatt 540
 ctgaataaaa tactttgaat cagattttaga aataatgaat aaaatacaaa tcaccattga 600
 aattgctcta attttgagag ct 622

<210> 35
 <211> 628
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n is a, c, g, or t

<400> 35
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 aaatataaaa attagcctgg gtggtgatgg gcacctgtaa cccagctac tcgggagggt 120
 gaggtaggag aatcacttga acccgggaga tggagggttgc agtgagccaa gatcgtgcca 180
 ctgcactcca gcctgtgtga cagaacaaga ctctgtctca aaaaaaata ataataataa 240
 taataataaa aaggaataac atagctagga ataaatttaa tcaaagaggt gaaagactta 300
 tacacttaaa actacaaaaa aaaaatcact gaaggaatta tagaccctaaa taaaaataaa 360
 taaaaagaca ttctgtgttt tagggaaaga agacttaata ttgttaagat gtcaatacta 420

cccaaagtga tctacagatt caacataatc cctatcaaaa ttccaacagc ctactttgta	480
gaaatggaaa agccaatttt caaattcaga tggaattgcg aggggttctg aataacaaaa	540
acaatcttgg ggaaaaaaaa caaaaaacaa agtcaaagaa ctcacacttc tctatttata	600
aatttactac aaagttatag taatcaaa	628

<210> 36
 <211> 527
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (525)..(525)
 <223> n is a, c, g, or t

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ctgatgactt gtgtgcattt gtacattgca accttagctt acctcttgaa gcatgtagag	120
cattcatcac ccaccattca ttcactgcct actcccacca cagctgtttc gtggtctgtc	180
tgctccctgt gccaccccca ccccatcagg tgggcctttt gcaagtgatg aagtcacctg	240
tgggggaaga gctttccttt cctctcctca actcagaagg cctcttcctc ttgctcaaga	300
gggtgctgct gctttctgcc tccttccccg gccggcctcc atcccagttc accttttcag	360
aaatggcccc tcagtcaact cttccctttt ctcttggtt tttatttctc ccagtctctt	420
aagagtatcc ttagctttta aaacaataac acagaggatg ggtgcagtgg ctcatgcctg	480
taatcccagc actttggagc ctggggcggg cgcatcactt gaggnca	527

<210> 37
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 37	
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attcttctgt ccctggatac atgaattact gccatcttta cacagcgccc taaaatacca	180
acgcgaagtt acctgctcag cttgaagctg cgctgtaccc tggaaccagc acttctgctg	240
aatgactcag gatgaagcct cgacttctcc ttcccatccc atgcccagac cccagtggct	300
cctttcccaa tctgatccag tgactttaag tccagctgtt gcaacctggg catgaggagg	360
agtgaagat ggctttgtcc tacctggaaa gaggccttct gga	403

<210> 38
 <211> 111
 <212> DNA

<213> Homo sapiens

<400> 38
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aacattgaga aaaaaattga ttcccggctg gggccactgt ctgtgcaccg t 111

<210> 39
<211> 329
<212> DNA
<213> Homo sapiens

<400> 39
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attcaaaaagc tagcagaagg caagaaataa ctaagatcag agcagagctg aaagagatag 120
agacacaaaa aaccattcaa aaaaaaacia tgaatccagg agtttttttt ttaaaaagat 180
caacagaatt gacagactgc tagcaagact aataaagaag agagaagcat caaatagact 240
caataaaaaa tgataaaggg gatatcacca ccaatcccac agaaatacaa actaccatca 300
gagaacacta taaacacctc tatgcaaat 329

<210> 40
<211> 341
<212> DNA
<213> Homo sapiens

<400> 40
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attcaaaaagc tagcagaagg caagaaataa ctaagatcag agcagagctg aaagagatag 120
agacacaaaa aaccattcaa aaaaaaacia tgaatccagg agtttttttt ttaaaaagat 180
caacagaatt gacagactgc tagcaagact aataaagaag agagaagcat caaatagact 240
caataaaaaa tgataaaggg gatatcacca ccaatcccac agaaatacaa actaccatca 300
gagaacacta taaacacctc tatgcaaata aactagaaaa t 341

<210> 41
<211> 185
<212> DNA
<213> Homo sapiens

<400> 41
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agacacaaaa aaccattcaa aaaaaaacia tgaatccagg agtttttttt ttaaaaagat 180
caaca 185

<210> 42
<211> 553
<212> DNA

<213> Homo sapiens

 <220>
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 <222> (119)..(119)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <220>
 <221> misc_feature
 <222> (229)..(229)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (252)..(252)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (327)..(327)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (329)..(329)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (354)..(354)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (361)..(361)
 <223> n is a, c, g, or t

 <400> 42

gcccggaatc gcggccgcgt cgacgtaagc tgggctgaat ccacggttca agaacaggaa	60
agaaggccaa ggcataggga gtggggcagt tgggtgaata ttagtacctt tccctcagnt	120
ncattaatta cccctgccta ctctgcacaa aaggatntaa caacagtttc ctttttaatg	180
gccaggtaca gctgcttata tggangggca tttntnaatg atatccttna tcaactgtctt	240
aatcatcaca tnccttaaac aatcacttta ttgtgttaag gaagataaaa atggctgggt	300
tcaattttccg ttctggaaga aatcgantna aaaggtaacc atttaataat gcanagggca	360
ntttcactgc agaccctaact actggaaatt tttaaaaaca aatgaaaaac ttctactttt	420
tcttctaagc ttacttaacc acccaaattt tccagccaca tatcttccta gtctacaact	480
gcctttaact ttaagagatg ctcaaaaaaa tgtaaatctt caaatacatt cttattacaa	540
ttactgctaa cct	553

<210> 43
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 43	
ccagtgtgct gggattacag gcatgagccc tgcaccagc ctcttaaact gatcatatga	60
tattggttct caaccaaggg tgactttgcc ccagaggat acttggcaat gtctggagat	120
actcagttgt catgacttgg acaggtgcta ctgtcaccca gtgggtagag gtcagggatg	180
gtgctaaaca taggacagct gtcaagagaa aagaatgtac ccagcccaa atgtcagtag	240
ggctgagggt gagaaacca gctgtagctg acgtgtgaag gacagactgg cctggaagtg	300
tgttttctgc cctttccac ccctgcatat tagttaaggc caaaggaaaa aaggaatgca	360
ggaaatgccc gttaaaaatc ttcaaaacaa tataaatga tcaattccac taaaaccctt	420
tacacattta agtataaagg tattggtagg aaaatttggt attcactgct tttctcagt	480
tcataaaata attatttctg ctgtcagttt	510

<210> 44
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 44	
aaaaaaaaaa tcaactgaagg aattatagac ccaaataaaa ataaataaaa agacattctg	60
tgtttttaggg aaagaagact taatattggt aagatgtcaa tactaccaa agtgatctac	120
agattcaaca taatccctat caaaattcca acagcctact ttgtagaaat ggaaaagcca	180
attttcaaat tcagatggaa ttgtagggg tttctgaata caaaaacaat cttggggaaa	240
aaaaacaaaa aacaaagtca aagaactcac acttctctat ttataattta ctacaaagtt	300
atagtaatca aagtcgacgc ggccgcgatt ccggg	335

<210> 45
 <211> 314
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (304)..(304)
 <223> n is a, c, g, or t

<400> 45
 cgactgcggc tcttcctcgg gcagcggaag cggcgcgggc gtcggagaag tggcctaaaa 60
 cttcggcggtt ggggtgaaaga aaatggcccc aaccaagcag actgctcgta agtccaccgg 120
 tgggaaagcc ccccgcaaac agctggccac gaaagccgcc agggaaaagcg ctccctctac 180
 cggcgggggtg aagaagcctc atcgctacag gcccgggacc gtggcgcttc gagagattcg 240
 tcgttatcag aagtcgaccg agctgctcat ccggaagctg cccttccaga ggttggtgag 300
 gganatcgcc cagg 314

<210> 46
 <211> 537
 <212> DNA
 <213> Homo sapiens

<400> 46
 gcaatttaat ttttaataac aaagatactg tattttaaca tggtgaaata tacttggcta 60
 agtccagatt aaaaaaaaaa agtatctagc ccaacagtac aattatacag ctttgtacag 120
 aacattccat agatcaacag aaaatacatt tgagcgcaaa aataaaaaat atttaaggag 180
 aatctctaag cagcatttta tttctgcaaa agacatatct tgtctgatta aatatctaca 240
 agtgcttttc ctttcaaaaa tacatatatt cttaatagac taagtcatta acaatgacct 300
 ggtaattcctt tcacttcaat ttgaatgatt tataagctaa atcttcaacc acaaaaaggt 360
 ttttatttgt attaagatgt taccactttt gacaaaaagc ttaaaatatt ttatatttca 420
 aaggaaaatt agcaacataa ctttacaata tattctatga tattttgatt gtgagggcta 480
 ctctatttaa aactgatgat ctctgttggtg ttgctcagat gcaggaaagc agcaaaa 537

<210> 47
 <211> 534
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (7)..(7)
 <223> n is a, c, g, or t

<400> 47
 gacttanatc taaatggacc acatttctcta cttaaaaaaa tgctattaac catgtgatct 60

tctcagtc	cat	gaggta	aatct	ggtgact	acc	cttcct	caaaa	gccagtt	ggg	atattc	tttg	120
aatagag	taa	aacagt	gttt	ctaggct	ggg	agacacc	aga	catagt	tgag	gacagag	gtg	180
ctagaaa	ata	ggaagt	tttaa	aagcat	gtgc	ggtgat	gctc	agaggag	ggt	aacccc	accc	240
tcatgct	cat	agcttcc	aat	catttt	ctct	agttct	ttaac	tcttaa	atgt	gagaa	atgct	300
tgaagatt	ct	agtcatt	ctga	agaaagt	ctc	tttatta	aaag	attttc	ataa	aagagac	caa	360
agcagaca	aaa	cagaaaa	aga	catctt	gggg	aaaaaaa	acaa	ggataat	ggg	aagaga	aagga	420
aagtttt	aaa	aattat	caat	atcctc	aggg	ggacaaa	ata	ttatat	ccta	taaaga	caga	480
tttttatt	ttt	ttaaaaa	aat	agaaag	caaa	acaagct	cct	aaaaata	aaag	tttg		534

<210> 48
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400>	48											
gttaagga	ag	tcagcact	tta	cattaaga	aaa	attggct	taca	accccga	cac	agtagcatt	tt	60
gtgccaa	ttt	ctggttg	gaa	tggtgaca	ac	atgctgg	agc	caagtgc	taa	catgcctt	gg	120
ttcaaggg	at	ggaaagt	cac	ccgtaagg	at	ggcaatg	cca	gtggaacc	cac	gctgctt	gag	180
gctctgg	act	gcac	cctacc	accaact	ctgt	ccaactg	aca	agccctt	gcg	cctgcct	ctc	240
caggatgt	ct	acaaaatt	gg	tggtatt	gg	actgttc	ctg	ttggccg	agt	ggagact	ggt	300
gttctcaa	ac	ccggtat	gg	gtcacct	ttt	gctccag	tca	acgttaca	ac	ggaagt	aaaa	360
tctgtcga	aaa	tgcac	catga	agctttg	agt	gaagcttt	tc	ctggggg	acaa	tgtggg	ccttc	420
aatgtca	aga	atgtgt	ctgt	caag								444

<210> 49
 <211> 566
 <212> DNA
 <213> Homo sapiens

<400>	49											
ctttgaaga	aa	ctttgc	caaa	tacttt	ctta	ccaatct	cat	gaggagag	ggg	aacatg	ctga	60
gaaactgat	g	aagctgc	aga	accaacg	agg	tggccga	atc	ttccttc	cagg	atatca	agaa	120
accagact	gt	gatgact	ggg	agagcgg	gct	gaatgca	atg	gagtgtg	cat	tacattt	gga	180
aaaaaat	gtg	aatcagt	cac	tactgga	act	gcacaaa	actg	gccactg	aca	aaaatga	cccc	240
ccattt	gtgt	gacttc	attg	agacaca	tta	cctgaat	gag	caggtga	aaag	ccatcaa	aga	300
attgggt	gac	cacgtga	cca	acttgc	gcaa	gatggg	agcg	cccgaat	ctg	gcttgg	cgga	360
atatct	cttt	gacaag	caca	ccctggg	aga	cagtga	taat	gaaagct	aag	cctcggg	cta	420
atcccc	cat	agccgt	gggg	tgactt	ccct	ggtcacca	aag	gcagtgc	atg	catgtt	gggg	480
tttccttt	tac	cttttct	ata	agttgt	tacca	aaacat	ccac	ttaagt	ttct	tgattt	gtcc	540

attccttcaa ataaagaaat ttggta 566

<210> 50
<211> 400
<212> DNA
<213> Homo sapiens

<400> 50
ttttgggggtt tatatataag cctgggttctt gctgaaactg cttatgttga taaccagtta 60
gtgagttcct ctctattgac ttgctgggaa gtttatagag acatttttta tgcattcaga 120
gatttcagta caaatcttga aaaagggaca tttaggccgg gcgcggtggc tcacatctgt 180
aaccctagca ctctgggagg ctgaggtggg tggatcatga agtcaagaga tagagaccat 240
cctggcaaaa attagctggg cgtggtgggg tgccgccgta gtcccagcta ctcgaggaggc 300
tgaggcagga gaattgcttg agcccgggag gcggagggtt cattgagccg agatagtgcc 360
actgcactcc agcctggaca acagagcgag actgtgtctt 400

<210> 51
<211> 562
<212> DNA
<213> Homo sapiens

<400> 51
ctaaggggtt aaagatggaa agaggcattg atgaacagct ggggaaggag tagtttgagg 60
tagatgtgca gatggaatga agagaaggtc tcaagaagag ggtggagcca aagagggctg 120
cagatttaga aggctaaagt ctttagatgg ctttggatag cctgttgtat cttggaccat 180
gcaggttaca gtggagcatg gagtggggac agaagtggag gaaggaacca gggaacatgg 240
agtgagaagc taaaggaaag tgatgcagta gatacatggc tctaaagtac tcaggacttt 300
cagaggctta aacatagggt gaccaactat cccactatgc ctgatactaa gggcattccc 360
tggatgtgga cttttcattc cccaaattag gaaagtcttg ggcataccaa gacaagttgg 420
ccaccctact caaaagtatg taagctaaca tatctgttct ctaagagggt aaagctggat 480
ggggatacca gatgtatgta cgtgatgcag ttaaacagca atacaagggg gcaagtctac 540
ctgatcggcc aattcaatgg ga 562

<210> 52
<211> 630
<212> DNA
<213> Homo sapiens

<400> 52
gaagccaaac caaaggagct tctacttcat gatgccattt atgtaaagtt caggcagaga 60
aaatcagtgg ttttaagaagt tagaataatg attatctttg gagggattgc aactggaaga 120
agtcattgatt gggatttctg ggtcctaata gtgctctgtg tcttgatctg agtgccgact 180

acatgagtgg	ttagggtttgc	aaaatttcatt	gagttatgca	cttaatggtg	ttgtcttatt	240
agagctgatg	gaggagagag	ggcttcaatt	tgcacaactg	agtaatcagc	taggcccagt	300
cactaggtga	acaacttact	gctccaatca	gccttagagc	aggaatcaaa	ctcatgtctc	360
agaaaagtta	ttaattcagc	ttgtcttggg	acttccttca	gagtcactct	tgaatagctg	420
aaatagtaaa	tgttaaatct	gtggatgcaa	gtgtgtaaat	tatttttagtc	atcagctcta	480
ataagatggc	ctttggggaa	atgagtataa	ggtcacgaaa	atgaaatggc	aagaaggagg	540
tctactattt	cttctgtaat	actgattttt	accccatcag	ggtcagtccc	cagaggttgt	600
aaatgtgaag	cttgtctttt	tctttaataa				630

<210> 53
 <211> 685
 <212> DNA
 <213> Homo sapiens

<400> 53						
ctttggacac	taggaaaaaa	ccttgtagag	agagtaaaaa	atttaacacc	catagtaggc	60
ctaaaagcag	ccaccaatta	agaaagcggt	caagctcaac	accactacc	taaaaaatcc	120
caaacatata	actgaactcc	tcacacccaa	ttggaccaat	ctatcacctt	atagaagaac	180
taatgttagt	ataagtaaca	tgaaaacatt	ctcctccgca	taagcctgcg	tcagattaaa	240
acactgaact	gacaattaac	agcccaatat	ctacaatcaa	ccaacaagtc	attattacc	300
tcactgtcaa	cccaacacag	gcatgctcat	aaggaaaggt	taaaaaaagt	aaaaggaact	360
cggcaaatct	taccccgctt	gtttacccaa	aacatcacct	ctagcatcac	cagtattaga	420
ggcaccgcct	gcccagtgac	acatgtttta	cggccgcggt	accctaaccg	tgcaaaggta	480
gcataatcac	ttgttcctta	attagggacc	tgtatgaatg	gctccacgag	ggttcagctg	540
tctcttactt	ttaaccagtg	aaattgacct	gcccgtgaag	aggcgggcat	aacacagcaa	600
gacgagaaga	ccctatggag	ctttaattta	ttaatgcaaa	cagtcctaac	aaaccccagg	660
tcctaaactc	caaacctgca	ttaaaa				685

<210> 54
 <211> 533
 <212> DNA
 <213> Homo sapiens

<400> 54						
cgacccggaa	ttcgcggccg	cgctcgactga	gttcttgaca	agagtgtttt	tcccttcccg	60
tcacagagtg	ggcccaacga	cctacggcac	tttgaccccg	agtttaccga	agagcctgtc	120
cccaactcca	ttggcaagtc	ccctgacagc	gtcctcgtca	cagccagcgt	caaggaagct	180
gccgaggctt	tcctaggctt	ttcctatgcg	cctcccacgg	actctttcct	ctgaaccctg	240
ttagggcctg	gttttaaaag	attttatgtg	tgtttccgaa	tgtttttagtt	agccttttgg	300

tggagccgcc agctgacagg acatcttaca agagaatttg cacatctctg gaagcttagc	360
aatcttattg cacactgttc gctggaagct ttttgaagag cacattctcc tcagtgaagct	420
catgaggttt tcatttttat tcttccttcc aacgtggtgc tatctctgaa acgagcggtta	480
gagtgccgcc ttagacggag gcaggagttt cgttagaaag cggacgctgt tct	533

<210> 55
 <211> 523
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (462)..(462)
 <223> n is a, c, g, or t

<400> 55	
gaatccctag aaaaagagaa ttcccaactt gatgaggaaa acttagaact gcgaaggaat	60
gtagaatctt tgaagtgtgc aagcatgaaa atggctcagc tacagctaga aaacaaagaa	120
ctggaaagtg aaaaagagca acttaagaag ggtttggagc tcctgaaagc atctttcaag	180
aaaacagaac gcttagaagt tagctaccag ggtttagata tagaaaatca aagactgcaa	240
aaaacttttag agaacagcaa taaaaaatc cagcaattag agagtgaact acaagactta	300
gagatggaaa atcaaacatt gcagaaaaac ctagaagaac taaaaatata tagcaaaaga	360
ctagaacagc tgaaaaaga aaataaatca ttagagcaag agacttctca actggaaaag	420
gataagaaac aattggagaa ggaaaataag agactccgac ancaagcaga aattaaagat	480
ccacatttga agaaaataat gtgaagattg gaaatttgga aaa	523

<210> 56
 <211> 566
 <212> DNA
 <213> Homo sapiens

<400> 56	
ctttgaagaa ctttgccaaa tactttctta ccaatctcat gaggagaggg aacatgctga	60
gaaactgatg aagctgcaga accaacgagg tggccgaatc ttccttcagg atatcaagaa	120
accagactgt gatgactggg agagcgggct gaatgcaatg gagtgtgcat tacatttgga	180
aaaaaatgtg aatcagtcac tactggaact gcacaaactg gccactgaca aaaatgaccc	240
ccatttgtgt gacttcattg agacacatta cctgaatgag cagggtgaaag ccatcaaaga	300
attgggtgac cacgtgacca acttgcgcaa gatgggagcg cccgaatctg gcttggcgga	360
atatctcttt gacaagcaca ccctgggaga cagtgataat gaaagctaag cctcgggcta	420
atctcccat agccgtgggg tgacttcctt ggtcaccaag gcagtgcatt catgttgggg	480
tttcctttac cttttctata agttgtacca aaacatccac ttaagttctt tgatttgtcc	540

attccttcaa ataaagaaat ttggtta

566

<210> 57
<211> 616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (571)..(571)
<223> n is a, c, g, or t

<400> 57
gacccggaat cgcggccgcg tcgaccattt tagccaaggt gcctctatag ggggtcaagac 60
atcatgtgcc cagacctaa gtcaggaatg tcatatTTTT ctgttAAAat cattttattt 120
ctgtgtatct tacctttaaa tcattgtggt ttactctgag attctgtagt cctaataattg 180
tatcattgtg ctgtctgcaa aacaacttga atctatTTTT tttgcatctt ttgttacatg 240
taacgcagct gtactttatg ttctttgcaa ctgtttccat tatgagaacg ctgtgctatt 300
tacaaggtta catttttctt ggccaggcga ggtgggtcatg cctgtgatcc cagcactttg 360
ggaggccaag gtgggcggt cacttgaggt aaagagttga gaccagcctg gctagcatgg 420
cgaagcccag tctctactaa aaatacaaaa attggccggg tgaaattagc cgggcgtggt 480
ggtgtgtgct tgtaatccca gctactcggg aggctgagggc aggagaatcg cttgaatccg 540
ggaggcagag gttgcagtga gccaaagatca ngccactgca ctccacctcg ggggtcaagag 600
cgaaactctg tctcaa 616

<210> 58
<211> 598
<212> DNA
<213> Homo sapiens

<400> 58
ccgttttagt caggatggtc tcgatctcct gacctcgtga tccgcctgcc tcggcctccc 60
aaagtgtggt gattacaggc gtgagccacc gcgcccggcg taaatcaggt tttttaaatg 120
tttgccaaac cttatcactg acttttataa caaaattatt tactataatc attaggggaat 180
atttaagttc tgctaatact taaaattgca gagtgctaaa accagcagtg agtttagaat 240
caagctaagc tttattgttg ctactatttg aggcataatta gttgactggt gttcatatgc 300
aaggcagtct actgggtgca acaagggtta gaaggatatt tttaaaaaac tgaccctatt 360
ctcaggatga aaataataca ctagtaatag tctgctctgt tggttactc ctcgtaagga 420
ggtcaattaa aatgctgtag tgttgcaagg gaaggagagg aagaatcata ttccttcact 480
agcaggatca agaaagcttt tatagaaata tacaaaatct tcacttcttg aaggattggt 540
aaaatttaat agccaacatt gggcacttat tcattctctg agtaaatatt tattgcat 598

<210> 59
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 59
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 tcagtcatga ggtaatcttg tgactaccct tcctcaaagc cagttgggat attctttgaa 120
 tagagtaaaa cagtgtttct aggctgggag acaccagaca tagttgagga cagaggtgct 180
 agaaaatagg aagtttaaaa gcatgtgagg tgatgctcag aggaggtaaa cccacacctc 240
 atgctcatag cttccaatca ttttctctag ttcttaactc ttaaatgtga gaaatgcttg 300
 aagattacta gtcattctgaa gaaagtctct ttattaaaga ttttcataaa agagaccaa 360
 gcagacaaac agaaaaagac atcttgggga aaaaaacaag gataatggga agagaaggaa 420
 agtttttaaaa attatcaata tcctcagggg gacaaaatat tatatcctat aaagacagat 480
 ttttattttt taaaaaata gaaagcaaaa caagctccta aaaa 524

<210> 60
 <211> 534
 <212> DNA
 <213> Homo sapiens

<400> 60
 gacccggaat cgcggccgag tcgacggaag ctctgcccc tcctaaagct gaagccaaag 60
 cgaaggcttt aaaggccaag aaggcagtg tgaaagggtg ccacagccac aaaaagaagg 120
 agatccgcac gtcacccacc ttccggcgag cgaagacact gcgactccgg agacagccca 180
 aatattctcg gaagagcgct cccaggagaa acaagcttga ccactatgct atcatcaagt 240
 ttccgctgac cactgagtct gccatgaaga agatagaaga caacaacaca cttgtgttca 300
 ttgtggatgt taaagccaac aagcaccaga ttaaacaggc tgtgaagaag ctgtatgaca 360
 ttgatgtggc caaggccaac accctgattc ggcctgatgg agagaagaag gcatatgttc 420
 gactggctcc tgattacgat gctttggatg ttgccaacaa aattgggatc atttaaaactg 480
 agtccagctg cctaattctg aatatatata tatatatata tcttttcacc ataa 534

<210> 61
 <211> 512
 <212> DNA
 <213> Homo sapiens

<400> 61
 ggggagcccc ctcttcctc agttgttcct actcagactg ttgcactcta aacctaggga 60
 ggttgaagaa tgagaccctt aggttttaac acgaatcctg acaccaccat ctatagggtc 120
 ccaacttggg tattgtaggc aaccttcctt ctctccttgg tgaagaacat cccaagccag 180
 aaagaagtta actacagtgt tttcctttgc accgatcccc accccaattc aatcccggaa 240

gggacttact taggaaaccc ttctttacta gatatcctgg cccctgggc ttgtgaacac	300
ctcctagcca catcactaca gtacagtgag tgaccccgag ctcctgccta cccaagatg	360
cccctcccca ccctgaccgt gctaactgtg tgtacatata tattctacat atatgtatat	420
taaaactgca ctgccatgtc tgcccttttt tgtggtgtct agcattaact tattgtctag	480
gccaaagcgg ggggtgggagg ggaatgccac ag	512

<210> 62
 <211> 642
 <212> DNA
 <213> Homo sapiens

<400> 62	
ttttggcatt acttaatcca attataaaaa ctgaattttt aaaaaacagc acttggtttt	60
tcttccaaga ttaatttgaa tttttttatg gacattagaa aacattgcag tttagtcata	120
atcaaaaata aatcttgagg ctggtagagc agctttgttg ctgtttatat ttttattgct	180
tactggattt cagtgttacc tagtgccatc agtttggtat tttgccacct tgcacattca	240
gtgatgtttg atttttcttt ttcccttttt tcatattact tttaaatacct gaatagtttg	300
tggcagctgg agatcaccta gtccaccact gtccaacatg gcaatggtaa gtaatattga	360
gtaaagaata gaaaattagt aaaatgcatg gcttcagaat tatagcaatt tgcaaaatag	420
gttaatggat gaaaattaga atgaccagtt taactttccc cccagcagat tcttctgtta	480
aacaatgccc cttcaaaaata aaggaagaac aagtgggtgt tatacctatg ttatttggct	540
atgttagcac aatatgatgg actaatttga gaaaaagcat ttacttcctt tactattact	600
tcttttcttt atagggctaa gtctgccttc tgggtctttg aa	642

<210> 63
 <211> 446
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (441)..(441)
 <223> n is a, c, g, or t

<400> 63	
gaagaagcgc gaagagccgt tagtcatgcc ggtgtggtgg cggcggcgga gactgcgggc	60
ccgtagctgg gctctgcgag gtgcaagaaa gcctttgagg tgaagggtgta tgaaagtcac	120
cataacagat gttttccaaa aacttgtaga aggttgtaga aaaactacta ggatcacgcg	180
gcatgtattg agcatatagg ttgctgtaga tgaatgttct tagctgtcat gtttaaaaat	240
acttctgctt cgttacctca agtgtggcat gcagcatttt ggaaggaaaa ttgaagacgt	300
gttcaagaaa acatgaacag aagcaaatga tgaaaatgag ctttttactt gatgttgata	360

acatcacaat aaattatgga gaaaaataca tatttggcta acttttaatt gctgaacaat	420
aaagtgtttt cttttaaatc naaaaa	446

<210> 64
 <211> 629
 <212> DNA
 <213> Homo sapiens

<400> 64	
gaagccaaac caaagggagc ttctacttca tgatgccatt tatgtaaagt tcaggcagag	60
aaaatcagtg gtttaagaag ttagaataat gattatcttt ggagggattg caactggaag	120
aagtcatgat tgggatttct gggtcctaata agtgctctgt gtcttgatct gagtgccgac	180
tacatgagtg gtttaggtttg caaaattcat tgagttatgc acttaatggt gttgtcttat	240
tagagctgat ggaggagaga gggcttcaat ttgcacaact gagtaatcag ctaggccag	300
tcactaggtg aacaacttac tgctaccaat cagccttaga gcaggaatca aactcatgtc	360
tcagaaaagt tattaattca gcttgtcttg ggacttcctt cagagtcact cttgaatagc	420
tgaaatagta aatgttaaata ctgtggatgc aagtgtgtaa attatttttag tcatcagctc	480
taataagatg gcctttgggg aaatgagtat aaggtcacga aaatgaaatg gcaagaagga	540
gggtctactat ttcttctgta atactgattt ttaccccatc agggtcagtc cccaaagggt	600
gtaaattgtga agcttgggtct ttttcttta	629

<210> 65
 <211> 366
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (270)..(270)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (280)..(280)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (310)..(310)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (359)..(359)
 <223> n is a, c, g, or t

<400> 65	
gaccctattc tcaggatgaa aataatacac tagtaatagt ctgctctggt gggttaactcc	60

tcgtaaggag gtacaattaa aatgctgtag tgttgcaagg gaaggagagg aagaatcata	120
ttccttcact agcaggatca agaaagcttt tatagaaata tacaaaatct tcacttccttg	180
aaggattggt aaaattttaat agccaacatt gggcacttat tcatttctctg agtaaattatt	240
tattgcatgc ttatcttgta tcaacattgn gatgaaagcn caagaatgaa agaggaggga	300
gaatgtttan agaataaggc tgaaacacag attttgtagg gagcgtaggg gagactgana	360
aaacag	366

<210> 66
 <211> 202
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (195)..(195)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (201)..(201)
 <223> n is a, c, g, or t

<400> 66	
aagacacctg atagattgtc ttgtattatt tttcctttgc cttcttataa tctcagtgat	60
tagaattggg ctgaaaacaa tacatcaa atccttatgg gttgctggat	120
accgagggtt ttttaagatct ttagacttca ctatatagaa caaatgttga atgggaattt	180
tctttatttc tatancgttt ng	202

<210> 67
 <211> 634
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (606)..(606)
 <223> n is a, c, g, or t

<400> 67	
cccgaatcg cggccgcgtc gacgatgagc attttttcat gtgtcttttg gctgcataaa	60
tgtcttcttt tgagaagtgt cggttcatat cctttgcca ctttttgatg gggttgtttt	120
tttcttgtaa atttgtttga gttcattgta gattctggat attagccctt tgtcagatga	180
gtaggttgcg aaaattttct cccattttgt aggttgccctg ttcactctga tggtagtttc	240
atgtgctgtg cagaagctct ttagttta atagatcccat ttgtcaattt tggcttttgt	300
tgccattgct tttggtgttt tagacttgaa gtccttgccc atgcctatgt cctgaatggt	360
aatgcctagg ttttcttcta gggttttgat ggttttaggt ctaacgtttc agtctttaat	420

ccatcttttta aaagtctctt cacagtacat gagtagtagt gacaccaata atgtcagagc	480
agggaactcc caggttctgc ccatccacaa aaacaacaaa taagctggca aaaactttta	540
gaatcaactt ttgcagatct ctgaaatcta gtcaaaactt aaacagagga aagattaata	600
aagacnggct gcctgagata acactaacac acac	634

<210> 68
 <211> 644
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (92)..(92)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (642)..(642)
 <223> n is a, c, g, or t

<400> 68	
catcaaataa ataaataaat aaatttttaa agtcacagca ttgaattttt aaatgttttg	60
gatgataaag cacctgctta tcatgaagct anagaaattc aatgacacgt ttgccagggt	120
ctttgctagt gatgttggaa caagtctgta atgctgatga aacatcactg ttcgggcatt	180
attgccccag aaagacactg actgcagctg atgaaacagc ccttccaaga attaaggatg	240
ccaaagacca aataactgtg ctgagatata cttacgcagc aggcattgcat aagtgtaaac	300
ttgctgttat aagcaaaagc ttgcgttctc actgttttca aggagtgaat ttcataccaa	360
tccattatta tgctaataaa aaggcatgga tcaccaggga catcttttca gattggtttc	420
acaacatatt tgtaccagca gcttgtgctt actgcaggga agctgactgg atgatgactg	480
caagattttg ttatatctta acaactgttg tgctcatcct ccagctgaaa ttctcatcaa	540
aaataatgtt tatggctcac acctgtaatc tcaacacttt gggaggattg cctgaccag	600
gagttcaagc ccaccctggg caacacagca agaccaacc tntc	644

<210> 69
 <211> 651
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (44)..(44)
 <223> n is a, c, g, or t

<400> 69	
ttttaaaat cataaaacgt ttcttataaa agagcattac attntgcaca ctgctctgaa	60

cagatgccag ggacatgtgg actattgtta cttttcctcc ctgtcccacc ccccaaatgt	120
tacagtgacc acaaagcaag gtgttcacaa taattacatg gggggaattt tttaaaccac	180
caacaataac gaaaaataaa atccactcac tctgctgctg tttcaaaatt tcaatgttag	240
tttttgacag cccttccccc ccccaaccct gtttgtaagg aactaaaaca ttacatctgg	300
tgaacagcaa agatttcact acacctcaaa tgcagaacac ctatgaagca gaggaatggt	360
ggcttttttaa acagaagcag ataaaaaaaa aagatgcagg actccttcag ttcttcacta	420
gtcttagaaa aactttccag aatactgctt cacactataa aaaagaaaaa atatcttgca	480
ttagaatcct tcaacatctg catactgctt cacactgttc gtttctagga gcactttgtc	540
acaggacact tctgcttata tttctttaat cagaacttag ttggatgggc cgggcatggt	600
ggctcacgcc tgtaatccca gcactttggg aggccgaggg ggtggatcac c	651

<210> 70
 <211> 752
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (684)..(684)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (707)..(707)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (709)..(709)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (713)..(713)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (723)..(723)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (734)..(734)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (746)..(746)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<222> (748)..(748)
 <223> n is a, c, g, or t

 <400> 70
 ccatctccaa atttagtatt cattctgttt agcatattat cagttgccat ctatttgttt 60
 taactgatta cttgaatctg attaaacatc acagaaatgg gctttgataa gaacaatatt 120
 gaataagaaa ttttaaataa caaaacagct tatagaaaaa ttcagcataa cttttccatc 180
 accttcacca cccttgccctt ttattatcct gtcctgtatc actgctttct gttagcagtg 240
 ttgtgtgagt taggatttgg gcaggaaagc aaaagcaacc acccgtcatt ttcccagaat 300
 gaagggtttg acgtaggatg tagactttgt atagtagttg ggagagctgt gggagtgaag 360
 gtcagggatg tcacctacag aagtcaggga atctgccacc agagatcctg catcagaaac 420
 agccaacagc gtgcttctga agaactagtg gggaagtggc tataattctt aggaatccca 480
 gcaagtccgc accactgtct cagtctacag cagtggagaa aggggtttcc aggagctctc 540
 tggaaagttc ctgccacac tttgaacaa tcttcagagg ataatgggct tctcttccag 600
 cttccacacc caacaagagt gcctttcatc ggccaactct aacctggaac cctatggcag 660
 aggggattta ggagacagtt tgtnatgtct gtggaatgca aatgaanang tancaatgct 720
 tanttgacag cggncatata caaatntnga aa 752

<210> 71
 <211> 12
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (8)..(8)
 <223> n is a, c, g, or t

<400> 71
 gatccgtnga ct 12

<210> 72
 <211> 505
 <212> DNA
 <213> Homo sapiens

<400> 72
 ctcttccag cccctgagcc cagccccttc ccaagtgggtg ccagacaaaa aactacatgg 60
 ccctttcgtg tcttgggggt ggaaaggag ggatgaattg gggatgata accctgggtga 120
 attcagagta atctttcttt agaaaactgg tgttttctaa agaaacagga taggagttta 180
 gagaaggcac caaagctttc actttggttt ggcaccagtt tctaaccatc tgttttttct 240
 accctagcta tcttttattg gtaaaatata aatgtataat tatgtttgta gagctttacc 300
 aaggagtttc cctccttttt tgtttggtga ttagcaaatt tttgattctc cattttccaa 360

aagtaagaga ctccagcatg gccttctgtt tgccccgcag taaagtaact tccatataaa	420
atggtatttg aaagtgagag ttcatgacaa cagaccgttt tccatttcat ctgtatttta	480
tctccgtgac tccacttggt gggtt	505

<210> 73
 <211> 505
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (280)..(280)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (342)..(342)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (500)..(500)
 <223> n is a, c, g, or t

<400> 73	
tgagctgaa aaattcctat tacctagggg catcacaacg cattgcattt cgcccggtgtt	60
tgagatgatg ctggtgtaaa cctactatgc tgccagtcag gtaaaagtat agcacacaca	120
attagtaggt aatgcttgca aataataatg aaagactctg ctactgggtt atgtatttac	180
tatgctatac tttttgtcat tacttttagag tgtactccta cttttttttt tttttttttt	240
gagatggagt ttcactcttg tcctgtaggc tggagcgaan tggcgcgac tcggcttact	300
gcaacctcca cctcctgggt tcaagcgatt ctctgcctc ancttcccag agtagctgag	360
attacaggca tgcaccgcca cgcacgggta attttgtatt tttggtagag acaggggttc	420
accatgttgg ccaggctggg caccaactcc tgacctcagg tgacctgcct cctcacctcc	480
agagtgttgg gattacaggn gtgag	505

<210> 74
 <211> 580
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (552)..(552)
 <223> n is a, c, g, or t

<400> 74	
ataaaaatta gctgggggtg atggggcctg taccagct actcgggagg tgaggtagga	60
gaatcacttg aaccgggag atggaggttg cagttagcca agatcgtgcc actgcactcc	120

agcctgtgtg acagaacaag actctgtctc aaaaaaaaaat aataataata ataataataa	180
aaaggaataa catagctagg aataaattta atcaaagagg tgaaagactt atacacttaa	240
aactacaaaa aaaaaatcac tgaaggaatt atagacccaa ataaaaataa ataaaaagac	300
attctgtgtt ttagggaaaag aagacttaat attgttaaga tgtcaatact acccaaagtg	360
atctacagat tcaacataat ccctatcaaa attccaacag cctactttgt agaaatggaa	420
aagccaattt tcaaattcag atggaattgc gaggggttct gaataacaaa acacaatctt	480
ggggaaaaaa aacaaaaaac aaagtcaaag aactcacact tctctattta taatttacta	540
caaagttata gnatcaaagt cgacgcgccg cgatccgggc	580

<210> 75
 <211> 535
 <212> DNA
 <213> Homo sapiens

<400> 75 cacagtactc ctttttgggg tccaaactgt aatgctcaaa ataataaatg cttacacgaa	60
aattatttat tgagaatatt catataaaaa ttacctaaag caaagtaaaa aaagtaaaat	120
caaggtggta tttttgaagt gaatggtgat tggaaatttt tagctgtaac aaaaagaaag	180
aaaacaactt tttttaagc ctctattctt tttctttcaa aatgtacctt attcccacac	240
actcttgggc tgacctttat tttatcaata agctcaatat tactttgttt aaaataagat	300
gcttcagcaa aagtcattct ctctttaacc atataattta aaaactcctc ttcacgattg	360
atagcaaaat cagaaacggt agggcaccag tgagttgaaa aaactgggtc taagttggaa	420
aaactattat taataatatt atcctatcca tccatatcta ttgaaattgt cagggtccata	480
atttcatttt aattaattat aggaaagaag aaaagataat acccatttgt tctat	535

<210> 76
 <211> 505
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (461)..(461)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (483)..(483)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (497)..(497)
 <223> n is a, c, g, or t

<400> 76

ctcagactct ttctgcccta atggccatta ctatccagtc tgtattgcta caagggaccc	60
actggtaccc cttttagatt ctatcaaaag gaacaggggtt ttcctagagg caggcagcct	120
ggtggtatgg cacagcagaa gcttactgct aatgaaatgg gaacctcccc ctcccttggtg	180
gtttcagcac agaacctgaa tgccaggaaa aattcctggg ccaagaagct aaagctaaag	240
aaaccttcct tttttcaacg tttttttttc tttcaaactg tagggtcact tttgattgag	300
gcaaaggggt cctactgtaa gtggaaaaga ctcaactccc taacataagt tttcactgtg	360
gtgggatggt gccgcccgat atgcttgata tgcttttcct tccacatgtt aagctaggaa	420
acctaacagg atgtcagcag ggcagttaac tctggactca nagccctcaa gggcatgtgg	480
canaacctca tggcatncaa gacca	505

<210> 77
 <211> 596
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (567)..(567)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (575)..(575)
 <223> n is a, c, g, or t

<400> 77	
gtataattga ttcttttgaa cctaaagtat aagacttcac gattagaaaa aaattatcca	60
aagactaatg taattaagtg aggaaaagggt gctggaggaa ctggataacc acatggaaat	120
gtatgaacca tgacctctat gtcacatact atatataaaa cttaatttga ggtgtatcac	180
agagctaact gtgggggcta aaacgttgaa gcctttggat ggccgcacaa gagatgtctg	240
cattcataac cttggggagg gtatgaacat ttcttggtaa catgcaaaaa gcactaactg	300
taaaagagaa cagttggtca gttgaatttc atgaaacatt gttaaacttct gctaaacaac	360
tgacaccatt aagaatgtgg aaaaaggctg ggcacagtgg ctcatgccta taatcccagc	420
attttgggag gccggggcgg gagaatcact tgaggccagg agtttgaaac cagcctgggc	480
aacatggcaa gaccccgact ctacaaaaat attttttaaaa attagttggg tgtggtgatg	540
cactcctgta gtcctagctg ccaggangct aaggnggaag gatcacttaa ccctgg	596

<210> 78
 <211> 504
 <212> DNA
 <213> Homo sapiens

<400> 78	
ctggtggcgg cggtcgtgcg gacgcaaaca tgcagatctt tgtgaagacc ctcaactggca	60

aaaccatcac ccttgaggtc gagcccagtg acaccattga gaatgtcaaa gccaaaattc	120
aagacaagga ggggtatccca cctgaccagc agcgtctgat atttgccggc aaacagctgg	180
aggatggccg cactctctca gactacaaca tccagaaaga gtccaccctg cacctggtgt	240
tgcgcctgcg aggtggcatt attgagcctt ctctccgcca gcttgcccag aaatacaact	300
gcgacaagat gatctgccgc aagtgctatg ctgccttca ccctcgtgct gtcaactgcc	360
gcaagaagaa gtgtggtcac accaacaacc tgcgtcccaa gaagaaggtc aaataagggtt	420
gttcttttct tgaagggcag cctcctgccc agggccccgtg gccctggagc ctcaataaag	480
tgtccctttc attgactgga gcag	504

<210> 79
 <211> 564
 <212> DNA
 <213> Homo sapiens

<400> 79	
gcaggggctt ctgctgaggg ggcaggcgga gcttgaggaa acccgagat aagttttttt	60
ctctttgaaa gatagagatt aatacaacta cttaaaaaat atagtcaata ggttactaag	120
atattgctta gcgttaagtt ttttaacgtaa ttttaatatgc ttaagatttt aagagaaaat	180
atgaagactt agaagagtag catgaggaag gaaaagataa aagggtttcta aaacatgacg	240
gaggttgaga tgaagcttct tcatggagta aaaaatgtat ttaaaagaaa attgagagaa	300
aggactacag agccccgaat taataccaat agaagggcaa tgctttttaga ttaaaatgaa	360
ggtgacttaa acagcttaaa gtttagttta aaagttgtag gtgattaaaa taatttgaag	420
gcgatctttt aaaaagagat taaaccgaag gtgattaaaa gaccttgaaa tccatgacgc	480
agggagaatt gcgtcattta aagcctagtt aacgcattta ctaaacgcag accaaaatgg	540
aaagattaat tgggagtggt agga	564

<210> 80
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 80	
cccggaatcg cggccgcgtc gacgggaggt gatagcattg ctttcgtgta aattatgtaa	60
tgcaaaattt ttttaatctt cgccttaata cttttttatt ttgttttatt ttgaatgatg	120
agccttcgtg ccccccttc cccctttttt gtcccccaac ttgagatgta tgaaggcttt	180
tgggtctcct gggagtgggt ggaggcagcc agggcttacc tgtacactga cttgagacca	240
gttgaataaa agtgcacacc ttataaaaaa	270

<210> 81
 <211> 268

<212> DNA
 <213> Homo sapiens

<400> 81
 cccggaatcg cggccgcgctc gacgggaggt gatagcattg ctttcgtgta aattatgtaa 60
 tgcaaaattt ttttaattctt cgccttaata cttttttatt ttgttttatt ttgaatgatg 120
 agccttcgtg ccccccttc cccctttttt gtccccaac ttgagatgta tgaaggcttt 180
 tgggtctcct gggagtgggt ggaggcagcc agggcttacc tgtacactga cttgagacca 240
 gttgaataaa agtgcacacc ttataaaa 268

<210> 82
 <211> 334
 <212> DNA
 <213> Homo sapiens

<400> 82
 cttcatttga aatggttgaa tctgctgtgt aataaagtgg ttcaaccatg attaggaact 60
 gaaatttagt agaagaggga aaaggagtta atgtaacaaa ttatttttagc taaaaacccc 120
 ggtaatagag cacttggggg atgggatggg gtgggttggg gagacaatca gaatggtaaa 180
 ttgattaaat gctcctaacc ctgtaatttt gtgcatagag caccctatgc tgtggaaata 240
 actgttctta gatttcattg taactggact gttcaggttg cccagaggga aagaacattc 300
 ctaattctaa taaaataaac ttttattttg tttta 334

<210> 83
 <211> 675
 <212> DNA
 <213> Homo sapiens

<400> 83
 tgtcattgaa tctgcttggt acttaaatgc taaactcaat tctgtaattc aataggtgca 60
 cctctctgag aaacataaga gacaatgagg aaaaggattc agcattccgt ggaatttgta 120
 ccatgatcag tgtgaatccc agtggcgtaa tccaagtaag atgttcacaa agatttgttt 180
 ttaatgtcta attaataaaa ttttaaagga agaaacattc taatacttta attataaaaa 240
 gttaactatt ttcaaaggta tcaaaataca gttaaaccct taaaatgtat atttcttaat 300
 atcttgaaat tgtaatgcct ttttttttct ctaaattttt tttgtcatga aatgagatag 360
 taacagcaga ttgggacaac aaggttatat tcttgtcttg aatcaggcca tggcttcttt 420
 catccaaatt tcagacctca tttattttact ttgtccctgc ctcccatccc tggatatcag 480
 tttgtggata tctacagtta atagagtgc caaatagtag gaatactgtc tctctattct 540
 gaataaaatc tttgaatcag atttagaaat aatgaataaa atacaaatca gccattgaaa 600
 ttgctctaata tttgagagct tatgatttat tcatctttgg tttccaagtt caagttatat 660
 gtagacattt taatt 675

<210> 84
 <211> 485
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (223)..(223)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (280)..(280)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (297)..(297)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (302)..(302)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (337)..(337)
 <223> n is a, c, g, or t

<400> 84
 gcttcctagg tgaggtcacg aggaaacctg ctggccaagt gacctggcag ggtgtggcca 60
 gtgtggccag ggccgccgag cctgctttcc ttccctgcag caggaaccct tctggggctg 120
 tgatcctgcg atggtgcctg ggtgggagtg ggggtggggg gcgggatggt ctccctacct 180
 gccagcttct tggtttgagg tgaggacagc cccggaagct canacttggc tcctgtccat 240
 gtacttgggg ccatgagctc tgcagggacc ttggaaagan agagacgggt ggtgtanggc 300
 angggaaggc attgtcttca aacaggaaaa agctganaat ggaaacaggc gaaacttacc 360
 aagtgtaca tcacctgga ctgaaggagg gtgggaagg ttttaattatt ttaaaaatag 420
 agatggggctc tcactatgtt gcccaggctg gtctcaaact actgggctca agtgaacctc 480
 cttct 485

<210> 85
 <211> 387
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (9)..(9)
 <223> n is a, c, g, or t

<220>

<221> misc_feature
 <222> (29)..(29)
 <223> n is a, c, g, or t

<220>
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 <222> (49)..(49)
 <223> n is a, c, g, or t

<220>
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 <222> (94)..(94)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (105)..(105)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (152)..(152)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (169)..(169)
 <223> n is a, c, g, or t

<400> 85
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 aggaaccgca ctcaggagcc acactctccc actncccttg ccanaagac tcacagaggg 120
 cacggagctg gctgtggtga gaggaggtcc ancaaattcc tgtctgcana agggttctga 180
 acaccaccgc ctggcagcgt gctggaggag ggattcctct tttcctcaca gcaattctga 240
 ccagaaacct gtcaaatcag gaatggctaa aataagacca gggatgaat gaccatcagc 300
 cacagtaaaa ccaaggcaca gctctctga gccacccaa gctgctgtgg ccagactgg 360
 tgacatcacc tcagggcaaa aaaaaaa 387

<210> 86
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 86
 cgcagaatgg ctcccgcaaa gaagggtggc gagaagaaaa agggccgttc tgccatcaac 60
 gaagtggtaa cccgagaata caccatcaac attcacaagc gcatccatgg agtgggcttc 120
 aagaagcgtg cacctcgggc actcaaagag attcggaaat ttgcatgaa ggagatggga 180
 actccagatg tgcgcattga caccaggctc aacaaagctg tctgggcaaa aggaataagg 240
 aatgtgccat accgaatccg tgtgctgctg tccagaaaac gtaatgagga tgaagattca 300
 ccaaataagc tatatacttt ggttacctat gtacctgtta ccactttcaa aaatctacag 360
 acagtcaatg tggatgagaa ctaatcgctg atcgtcagat caaataaagt tataaaattg 420

<210> 87
 <211> 675
 <212> DNA
 <213> Homo sapiens

<400> 87
 ggaaactgat gccagtcaga aactcagatc aaatgaaggg gtgaagagaa ccagaattga 60
 tctctctgta ggagaatata aatgactttt tttaaagtaca ttttttctgt gaaagacagt 120
 tttttgttta atgcaaaaat gttaacaatg tttatatcat gtagaagtaa aagatcgtga 180
 aacagcacag agaacagtag taagacagat tgaattgcac tgttgtaaga tgatgaactt 240
 acaatattaa gtgaaggtag actgtgatag attaaggata tatattgtaa tccctagagc 300
 aattgtcaaa gtggtacagg taaaaagcca atagaggtga taaaatggaa tactaaaaaa 360
 tatcagatga ataataaaga agacaggaaa tgaggaacag tggaacagaa tgaataaaaa 420
 acaagaccat taacttaatc attaataatt acttttaaatg ggttaaacat tatgggtata 480
 aggcagagat tttcagacta gataaaagag caagctccac tatatactgt ctacaagaga 540
 tatactttta agtgtatatt atatttaa ataaagattt ggaataaata aacctaagaa 600
 taagcttact agggaagtga aagatctgta caacaagaat tacaaaacac tgctgaacga 660
 aatcataggt gacca 675

<210> 88
 <211> 594
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (529)..(529)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (542)..(542)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (559)..(559)
 <223> n is a, c, g, or t

<400> 88
 gtcccggaat cgcggccg cg tgcagtttc ctcaaaattt atcttcctgt taatgtcagg 60
 catgtatctc cttagcttgc caciaataac tatatatacc acagaccttc ctttgtaggg 120
 ctaacagtgt tgcattgtaa gtggaggcct catagatacc tggccttttc ctaccttatt 180
 ccaaagatgg ttgcatctta taaataatgt cattcttcag caaatggat ggaaatgaga 240
 ttgtaatgtc attatttcct ctttaaataa tcaggacaac tcatgataca aagagctctt 300

ctctataaaa ggtgggactt ttttttttag taatagcaaa aataaaattg tacctcctta	360
atcttctaca gaaagatgga tttcattttc aacattaaga ggtagtttta agaagcagta	420
gaagtcagcc tgggcagcat ggtgaaaccc cgtctctaca aaaaagttag ctgggcttag	480
tagttgcaat cccagctact ctggaggctg aggttggaga tcatctganc ctggggaggt	540
cnaggctgca atgatacant gagccctgat tgtgccactc cacctggttg caga	594

<210> 89
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 89	
ttccaatctt cgtgttcact ttaagaacac tcgtgaaact gctcaggcca tcaagggat	60
gcatatacga aaagccacga agtatctgaa agatgtcact ttacagaaac agtgtgtacc	120
attccgacgt tacaatggtg gagttggcag gtgtgcgag gccaagcaat ggggctggac	180
acaaggtcgg tggcccaaaa agagtgtga atttttgctg cacatgctta aaaacgcaga	240
gagtaatgct gaacttaagg gtttagatgt agattctctg gtcattgagc atatccaagt	300
gaacaaagca cctaagatgc gccgccggac ctacagagct catgggtcga ttaaccata	360
catgagctct ccctgccaca ttgagatgat ccttacggaa aaggaacaga ttgttcctaa	420
accagaagag gaggttgccc agaagaaaa gatatcccag aagaaactga agaaacaaaa	480
acttatggca cgggagtaaa ttcagcatta aaataaatgt aattaaaagg	530

<210> 90
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 90	
tgcaggatcc gtcgactcta gataacatgg ctagaaaaga gaatgaaaaa gttggaattt	60
ttaattgcca tggatatggg ggtaatcagg ttttctctta tactgccaac aaagaaatta	120
gaacagatga cctttgcttg gatgtttcca aacttaatgg ccaggttaca atgctcaa	180
gccaccacct aaaaggcaac caactctggg agtatgaccc agtgaaatta accctgcagc	240
atgtgaacag taatcagtgc ctggataaag ccacagaaga ggatagccag gtgcccagca	300
ttagagactg caatggaagt cgggtcccagc agtggcttct tcgaaacgct accctgccag	360
aaatattctg agaccaaatt t	381

<210> 91
 <211> 535
 <212> DNA
 <213> Homo sapiens

<400> 91

cacagtactc cattttgggg tccaaactgt aatgctcaaa ataataaatg cttacacgaa	60
aattatttat tgagaatatt catataaaaa ttacctaaag caaagtaaaa aaagtaaaat	120
caagggtggt tatttgaagt gaatggtgat tggaaatfff tagctgtaac aaaaagaaag	180
aaaacaactt tttttaagc ctcattctct tttctttcaa aatgtacctt attcccacac	240
actcttgggc tgacctttat tttatcaata agctcaatat tactttgfff aaaataagat	300
gcttcagcaa aagtcattct ctctttaacc atataattta aaaactcctc ttcacgattg	360
atagcaaaat cagaaacggt agggcaccag tgagttgaaa aaactggtct taagttggaa	420
aaactattat taataatatt atcctatcca tccatatcta ttgaaattgt cagggtccata	480
atttcatttt aattaattat aggaaagaag aaaagataat acccatttgt tctat	535

<210> 92
 <211> 619
 <212> DNA
 <213> Homo sapiens

<400> 92 caggggcttc tgctgagggg gcaggcggag cttgaggaaa ccgcagataa gtttttttct	60
ctttgaaaga tagagattaa tacaactact taaaaaatat agtcaatagg ttactaagat	120
attgcttagc gtttaagtttt taacgtaatt ttaatagctt aagattttta gagaaaatat	180
gaagacttag aagagtagca tgaggaagga aaagataaaa ggtttctaaa acatgacgga	240
ggttgagatg aagcttcttc atggagtaaa aaatgtatft aaaagaaaat tgagagaaaag	300
gactacagag ccccgaatta ataccaatag aaggggcaatg ctttttagatt aaaatgaagg	360
tgacttaaac agcttaaaagt ttagtttaaa agttgtaggt gattaaaata atttgaaggc	420
gatcttttaa aaagagatta aaccgaagggt gattaaaaga ccttgaaatc catgacgcag	480
ggagaattgc gtcattttaa gcctagttaa cgcatftact aaacgcagac gaaaatggaa	540
agattaattg ggagtggtag gatgaaacaa tttggagaag atagaagttt gaagtggaaa	600
actggaagac agaagtacc	619

<210> 93
 <211> 131
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (70)..(70)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (75)..(75)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (88)..(88)
 <223> n is a, c, g, or t

<220>
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 <222> (102)..(102)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (114)..(114)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (127)..(127)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (129)..(129)
 <223> n is a, c, g, or t

<400> 93
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 aaactgttgn ttgnctgac ctaaattntc ttactaaac anatttaata gttnaaaaaa 120
 aaaaaananc a 131

<210> 94
 <211> 607
 <212> DNA
 <213> Homo sapiens

<400> 94
 ttttaaagtc atctctatag gaaggtgctg ggcagggatc ccagagaaag aaaggggtcca 60
 agactccatt aactgccctg gatgaagggc actgctacag cagctagtac cagagactct 120
 cctatctcac ggttgaggca gaccaggat agaatagaga ataaaaggaa tgcttatagg 180
 aaacaatttt gtatggaatg ctagatggcc aagcctcagc ctttggtcca gtgcaaccct 240
 tgcctcgctt gtcaacagtg aaaaattagt ttggttagaa gaaccatctg gaaacacacc 300
 agcttctgct accttcatgc tcattgttaa aaaaagatta accagtgtga acattctgat 360
 ctgttaattc cagggactgt tttctttcca atggactggt tgttggtaga ataaccacca 420
 aaagctcaaa gctaaaatgc atcatcagtc ctagtcggca gttccttaag aatggactgg 480
 cggcgtgggt gagctgatat ggaaaagctg caccttcctg cagaagatca actgacctgc 540
 tatcccaccc caaatttcaa cctgaggtat atttcaatga aggcaggtag ctgtgcttct 600
 cagagca 607

<210> 95
 <211> 687

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (650)..(650)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (685)..(685)
<223> n is a, c, g, or t

<400> 95
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ccctcgcttc ccgacgttcc gttccccctt gcccgccttc tcccgccacc gccgccgccg 120
ccttcgcgag gccgtttcca ccgaggaaaa ggaatcgtat cgtatgtccg ctatccagaa 180
cctccactct ttcgaccctt ttgctgatgc aagtaagggt gatgacctgc ttcctgctgg 240
cactgaggat tatatccata taagaattca acagagaaac ggcaggaaga cccttactac 300
tgtccaaggg atcgctgatg attacgataa aaagaaacta gtgaaggcgt ttaagaaaaa 360
gtttgcctgc aatggtactg taattgagca tccggaatat ggagaagtaa ttcagctaca 420
gggtgaccaa cgcaagaaca tatgccagtt cctcgtagag attggactgg ctaaggacga 480
tcagctgaag gttcatgggt ttttaagtgt tgtggctcac tgaagcttaa gtgaggattt 540
ccttgcaatg agtagaattt cccttcctcc cttgtcacag gtttaaaaac ctcacagctt 600
gtataatgta accatttggg gtccgctttt aacttggact agtgtaactn cttcatgcaa 660
taaactgaaa agaccatgct gctantc 687

<210> 96
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<400> 96
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aagggtgaacg ggcggcccct ggagatgatt gagccgcgca cgctacagta caagctgctg 120
gagccagttc tgcttctcgg caaggagcga tttgctggtg tagacatccg tgtccgtgta 180
aagggtggtg gtcacgtggc ccanatttat gctatccgtc agtccatctc caaagccctg 240

gtggcctatt accanaaata tgtggatgag gcttccaaga aggagatcaa agacatcctc	300
atccagtatg accggaccct gctggtagct gaccctcgtc gctgcgagtc caaaaagttt	360
ggaggccctg gtgcccgcgc tcgctaccag aaatcctacc gataagccca tcgtgactca	420
aaactcactt gtataataaa cagtttttga gggattttta aa	462

<210> 97
 <211> 535
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (248)..(248)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (519)..(519)
 <223> n is a, c, g, or t

<400> 97	
ctgcaatgtg caatagttgc accactgcac tccagcctgg gtgacagagt gagaacctat	60
ctcttaaaaa aaaaaaaaaa aaaaggaaga agagacatga gagggcccaa gtcacttgct	120
cactcacttt ccgtgtacat gtaccaagaa aaggccatgt gggaaagagc aagaaggcag	180
ccgccttcaa gacaggaaga gagccctcac cagaaactga gccagaacct tggaattcca	240
gcctccanaa ctgtgagaaa agaattttct gttgtttcag tccccacac tatggcattt	300
tgttacggca gcctgagcta atactcctac tttgtcctgc atttacttgg tcttccagtt	360
agtttttttag actttgggaa tcagagcagt cagttgtcag attttagctt acagttgtcc	420
tacctgtgca actgaaatct cttccatttt aaaccagagc agagtttttag agtcaaaaga	480
aaccagatct tttagtgcag aagctttcca ctgtattana agtgaggaag ttggt	535

<210> 98
 <211> 512
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (425)..(425)
 <223> n is a, c, g, or t

<400> 98	
aaaaaaactc cagagaagtt tatagaaaga gatgacatgt aaaccctgct gaaaaatagt	60
ttcatttggtt agaataataat tgtcttccac taaaaaaaga aaaaaaaaag catttaaggc	120
tctaagatct cttgaagtac cacttttcct gaatcccaga gtttttatgt gcattatttt	180

tatgcgtttg tagtttgata tgttgatatt ataagtagtt ttagctttcc attatgaatt	240
cttctttgac ccatgagtta tttaggttaag tgtttaaaaa tttacaatag tttatatatg	300
caaataattat gttgttagag ttgggtttca tgtcattttt acatatacag gggcagtttc	360
cccaactaaa ttgtatatcc cttaaagcag cactcttaaa ttttatttct gtgtcaattt	420
cttgnctgtg tttcctggca tggaatacat ggcataaaat ttgttatgta attaaatgaa	480
atattattat actttctatt ttttagaaaa aa	512

<210> 99
 <211> 577
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (552)..(552)
 <223> n is a, c, g, or t

<400> 99	
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gttcaagcga ttctctacc tcagcctccc gagtagctgg gattacaggc atgcaccgcc	120
acacctaatt ttctattctt agtagagacg gggtttctcc ctggttggtca ggctgggtctc	180
gaactcccgga cctcaggtga tctgcctgcc tcagtctccc aaagtcctgg aaccacagac	240
atgagccacc acgcctggcc ctttttaaaa ttttctgct cattgatgat gcaccagtc	300
acccaagtgc tctgatggag atgtataagg agatgaatgc tgttttcatg gctgctaata	360
caacattcat tctgcaaccc ccaaatacag aagtaatttt gactttcaag tcttattatt	420
taagaaatat attttgcaag actatagctg ccatagaccg tgattcctct gatggatcag	480
acaaactaaa atgaaaacct cctgcaacgt attcatcatt ctagatccct gaggaatcgc	540
cacactgact tncacaatgg gtgaactggg ttacagt	577

<210> 100
 <211> 552
 <212> DNA
 <213> Homo sapiens

<400> 100	
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aataaatgaa tggagtttgc aggaaggtga gggtagagcag agatgtgtgt ggacatctct	120
gaccatccat cgctgtattc aaatggattg ttttattcca ttctgggtctc aggcattgacc	180
acgtccagtg aagacatttg aggcagcaca tctcaggacc caggcaatag actggcccca	240
actcaggctg gactaaggtg tgattaattc tttgtttttt gtgtggaaca gctcaccttg	300
tcagacagcc tcagggcatc tctgagacac aggggcagaa aatgacattc atcttttgag	360

tcctcatcca tggagtgctg tgtttggggg gctgcatctg ctgaagcgag aaccccattc	420
tgccacccca ccaggatgcc cattctccag gacttctcca acttactatt agactaaacc	480
agaacaagca acaaactgta tttatgcaag caaaattgat gagaaaatta tattcaaata	540
aagcaaaaat ta	552

<210> 101
 <211> 606
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (565)..(565)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (581)..(581)
 <223> n is a, c, g, or t

<400> 101	
tcgtgccact gcactccagc ctggacgaca gagtgagact ccatctcaaa ataaataaat	60
aaataataaa ataaataaat aaataaaaaa ataaaaaata cttctgctat gaaaaaccta	120
gttggtatatt ttgcttatatt aatactatag aaatatggtg atctcatctt taatagagtg	180
cttttaaggt cccagtgat aatctcctaa aatcatgaac tttaagaatt tataatgtta	240
atatgaggaa atgaaatctg gattatctca ccacatatta tataattcat tagtgacaga	300
gcaagaactc caggtcacct gtctattcca tgtttttcct atctgccttt aaatgttgag	360
atactaccct tatctcatgt gaatggagaa actgcctaaa atgctaaaac tgactcagag	420
gcaccagac ataagtgaag tgtgattaga aaatcctggc cagttgagtc ttagccaaat	480
gtgtacctac tgtgtctgcc tctatcaagt caatgaaaac atgatctgag aactgtaagt	540
ccatttatgg aaagggttga tttanagata ttttgaactt ncagtgatga gccccttctc	600
aaatag	606

<210> 102
 <211> 341
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (86)..(86)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (168)..(168)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (230)..(230)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (241)..(241)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (257)..(257)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (337)..(337)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (339)..(339)
 <223> n is a, c, g, or t

<400> 102
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 caaactgatt tcaaaagtac tacatngaaa ataaaccggt gactgttttt cttcataaag 120
 ttctgcgttt ggcattttca ctctttccaa aatgtatctg tacatcanaa atgtcactat 180
 tccaagtgtc ttttttagtgt ggcttttagta tggcttcctt ttaatattgn acatacattg 240
 natctttggt ttatggnaat aagtaataaa aatgtagact tcatattttg tacaaaatgt 300
 cctatgtaca gaataaaaaa gttcatagaa acagccnana a 341

<210> 103
 <211> 647
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (20)..(20)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (22)..(22)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (47)..(47)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (546)..(546)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (562)..(562)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (611)..(611)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (645)..(645)

<223> n is a, c, g, or t

<400> 103

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gaaaccccat ctctacaaaa atataaaaat tagcctgggt ggtgatgggc acctgtaacc	120
ccagctactc gggaggctga ggtaggagaa tcacttgaac ccgggagatg gaggttgcag	180
tgagccaaga tcgtgccact gcactccagc ctgtgtgaca gaacaagact ctgtctcaaa	240
aaaaaataat aataataata ataataaaaa ggaataacat agctaggaat aaatttaatc	300
aaagaggtga aagacttata cacttaaaac tacaaaaaaa aaatcactga aggaattata	360
gacccaaata aaaataaata aaaagacatt ctgtgtttta gggaaagaag acttaatatt	420
gttaagatgt caatactacc caaagtgatc tacagattca acataatccc tatcaaaatt	480
ccaacagcct actttgtaga aatggaaaag ccaattttca aattcagatg gaattgcgag	540
gggttntgaa taacaaaaca cnatcttggg gaaaaaaaac aaaaaacaaa gtcaaagaac	600
tcacacttct ntatttataa atttactaca aagttatagt aatcnaa	647

<210> 104

<211> 329

<212> DNA

<213> Homo sapiens

<400> 104

tacgcacacg agaacatgcc tctcgcaaag gatctccttc atccctctcc agaagaggag	60
aagaggaaac acaagaagaa acgcctgggtg cagagcccca attcctactt catggatgtg	120
aaatgcccag gatgctataa aatcaccacg gtcttttagcc atgcacaaac ggtagttttg	180
tgtgttggct gctccactgt cctctgccag cctacaggag gaaaagcaag gcttacagaa	240
ggatgttcct tcaggaggaa gcagcactaa aagcactctg agtcaagatg agtgggaaac	300
catctcaata aacacatttt gggttaaaa	329

<210> 105

<211> 504

<212> DNA

<213> Homo sapiens

<400> 105
gagcagtggc atgatcacac cttactgcgg cctccaaccc ctgagcttaa gtgattctcc 60
cgcattatcc tcctgagtag ctgagactac aggtgcatgc caccatacac tactaaatct 120
gggtcgggtg gtggtggtga ttttttaata tttttgtaga gacaggggtct cactgtgatg 180
cccaggctgg tcttgaactc ctgggctcaa gcagtcaccc acctcagcct cccaaagcac 240
tgggattaca ggtgtgagcc accacactgg ccagctttgt tttgttttga tgactaagct 300
gctcttgcta aaagggcttc tctctgaact tccctacctt tcttctgttt ccctgggcta 360
gggctccatg ttggcagtc tactcccaat taacctgggg ctgtctgggt aacctttata 420
agatctgcag tcattgggag acccggggac caggaatatt gttgttgagg gagctaccct 480
ggaaagtga tgggtggcca aagg 504

<210> 106
<211> 582
<212> DNA
<213> Homo sapiens

<400> 106
tttggctttg cctctaggca ttagatgtta tctttggagg catccttcta tgagcattca 60
tttttgacc aagcctggat ttacaattct attactggcc cagacttcat ttctatccaa 120
tttcattcca ctgtgctata gtttacaaca tataatttga cttataaata attcctgact 180
atgggtttta agactgaaaa tggatcaata gaaactttga aaatgttaac atcttgattg 240
cttttctcag tgtagaaatg gacaatgttt agcttaaaaa ctgcatgttt ttaatgagat 300
acggggttga aagacttatt cctggaattt attgttctgg agaaagcctg ttgctatctg 360
ccataccttg gtttactttg tgcaaaatga gcttcttttt aagtaatgag ctctttccat 420
gttcagctta aattgctgtc ttagacactt catcaggggt ccctgctctg cctcattccc 480
ccttttgctc acttgcagcc ttgacataa tcctgggagg caattggcat catacatatt 540
ttgctttgta atctcctgct ttgattctga ctgggaccca gc 582

<210> 107
<211> 747
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (708)..(708)
<223> n is a, c, g, or t

<400> 107
ggatctaaga ccagcctggc agccaccaga tgggtgattct agtcctggct cagtcagtaa 60
taggtcactg accccagaga aatcaattca gcctccccag gtccttgat ttctttctgt 120

gaaaatgaaa gcataggtag gaatttccca tggaacagct agcagaggag aaatattaaa	180
agtcaggaga ctcatgctat agttttcata cttcattaca acaatgttgt ttaggacaag	240
tgagttaacc tgttagcttc ctctatataa aatggaaagt cattaaaaac ctacatagca	300
gggttcttgt gaagatcaag tgataatgta ggaagcatgt acaaagtca cattctgccg	360
tcacgtaatg gtcctcacag cttgaggtag catttagcat gtgtcatgat ttagtacaag	420
ggttggcaaa ctgttgctct tggattaagt ctggctcatt gcctgttttt caaagaaaaa	480
aattgtatat gtgtgtatat atgttatata taggtacaca cacatatgtg ctatatatag	540
catatataca cacataatat ataaacatgt acatatatag cattatatat ataccgtgta	600
taatatctcc agtcctcatg accagccatg cttgttcatt tacatttgca tactctatga	660
ttgctttcat gcaacaatgg cagagttgag tgattgtttt gcacaganac tgtatggccc	720
actaaaccta aaatattaat ctctgcc	747

<210> 108
 <211> 522
 <212> DNA
 <213> Homo sapiens

<400> 108	
ctcctgccgg gctcgtggcg gcttctgtcc gctccgcgga gggaagcgcc ttccccacag	60
gacatcaatg caagcttgaa taagaaaaac aaattcttcc tcctaagcca tggcatatca	120
gttatacaga aatactactt tgggaaacag tcttcaggag agcctagatg agctcataca	180
gtctcaacag atcacccccc aacttgccct tcaagttcta cttcagtttg ataaggctat	240
aaatgcagca ctggctcaga gggtcaggaa cagagtcaat ttcaggggct ctctaaatac	300
gtacagattc tgcgataatg tgtggacttt tgtactgaat gatgttgaat tcagagaggt	360
gacagaactt attaaagtgg ataaagtga aattgtagcc tgtgatggta aaaatactgg	420
ctccaatact acagaatgaa tagaaaaaat atgacttttt tacaccatct tctgttattc	480
attgcttttg aagagaagca tagaagagac tttttattta tt	522

<210> 109
 <211> 682
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (600)..(600)
 <223> n is a, c, g, or t

<400> 109	
tgccactgaa gatcctggtg tcgccatggg ccgccgcccc gcccgttggt accggtattg	60
taagaacaag ccgtacccaa agtctcgctt ctgccgaggt gtccctgatg ccaagattcg	120

catttttgac	ctggggcgga	aaaaggcaaa	agtggatgag	tttccgcttt	gtggccacat	180
ggtgtcagat	gaatatgagc	agctgtcctc	tgaagccctg	gaggctgccc	gaatttgtgc	240
caataagtac	atggtaaaaa	gttgtggcaa	agatggcttc	catatccggg	tgcggtcca	300
ccccctccac	gtcatccgca	tcaacaagat	gttgtcctgt	gctggggctg	acaggctcca	360
aacaggcatg	cgaggtgcct	ttggaaagcc	ccagggcact	gtggccaggg	ttcacattgg	420
ccaagttatc	atgtccatcc	gcaccaagct	gcagaacaag	gagcatgtga	ttgaggccct	480
gcgcagggcc	aagttcaagt	ttctggccgc	agaagatcca	catctcaaag	aagtggggct	540
tcaccaagtt	caatgctgat	gaatttgaag	acatggtggc	tgaaaagcgg	ctcatccan	600
atggctgtgg	ggtcaagtac	atccccaatc	gtggccctct	ggacaagtgg	cggccctgca	660
ctcatgaagg	ctttcaatgt	gc				682

<210> 110
 <211> 668
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (616)..(616)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (635)..(635)
 <223> n is a, c, g, or t

<400> 110	
tcccggaatc	gcggccgcgt cgaccttgct cttgagcgtc aaccttcttt ccctgaagtg 60
gctgggggttc	ctgtttcctt ctttgattga caacttgtgt taaccctcgc acatctctgg 120
gccaaatctt	gcttgtaagt ctttccggag acccctggaa tttaaatacat tagcaccgcg 180
cccttccccg	aagagtcttc gaagggttgc cgcttttcgg tggcgcagtt ctcgcgagaa 240
ggtgactttc	tttctcggtt tttcctgggt tccagaatcc ttagcgcgag gcggaaaaaa 300
tatttctccc	agcttgtgtt gatgccgcga ttttgactga gacttcttcc cacgatttct 360
gtttttgctt	ctccaaggaa aatggcagct cccgagcagc cgcttgcgat atcaagggga 420
tgcacgagct	cctcctcgct ttccccgcct cggggcgacc gaacccttct ggtcaggcac 480
ctgccggctg	agcttactgc tgaggagaaa gaggacttgc tgaagtactt cggggctcag 540
tctgtgcggg	tcctgtcaga taaggggcga ctgaaacata cagcttttgc cacattccct 600
aatgaaaaag	cagctntaaa ggcattgaca aactncatca actgaaactt ttagtcatac 660
tttaatcg	

<210> 111

<211> 536
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (452)..(452)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (529)..(529)
 <223> n is a, c, g, or t

<400> 111
 cagagatcaa aataggcctt acacagtgcg acgcgaattht aaaagattac cccattcagg 60
 tgtatggatt ttgcagtatt aaagatgctg cctggaatag gtcattatct tctccaagta 120
 ctctgttaag tcaatgagtc acatagagta taaggthttat tatctgcttht tctthtcatta 180
 aataaatctt tattgaattht ctactacatt aaaaaaccaa accaaaacaa aacaaacaaa 240
 aaaaacactt ccctgagcca taaaggagaa ggtagthttg actggaacct tgaaggatgg 300
 gtaaacthtc agcagataaa gattgagaga agacctthca ggtagagaaa gcagtgtggg 360
 cacaggcaaa gatggaagaa cacacgtggc tgtgggaaac acagctagaa gccagtgcgg 420
 atagagagta ggctatgatg tgcaaaggtht anacactggg agagacaggt ccatgagagt 480
 agcttggaact aacacaggga gggthttgaa tcccaactgg ggaacctana aatcaa 536

<210> 112
 <211> 368
 <212> DNA
 <213> Homo sapiens

<400> 112
 taggaggctt attcactgat ttcccctatt ctgaggctac accctagacc aaacctacgc 60
 caaaatccat ttactatca tattcatcgg cgtaaactta actthtcttc cacaacactt 120
 tctcggccta tccggaatgc cccgacgtta ctcggaactac cccgatgcat acaccacatg 180
 aaacatccta tcatctgtag gtcattcat ttctctaaca gcagtaatat taataattht 240
 catgatttga gaagccttcg cttcgaagcg aaaagtccta atagtagaag aaccttccat 300
 aaacctggag tgactatatg gatgcccccc accctaccac acattcgaag aacctgtata 360
 cataaaat 368

<210> 113
 <211> 338
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

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<222> (318)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<400> 113
tctttatcaa gttgagaaag ttcctcccct ctattcctag tttgctaaga gtccttctat 60
cctattttctt aatggttttag tagatgactc tgtggtactt tgaaggttgt ttgcagaatt 120
tccatgccat aggcaattta cctttccttg acatttgaag gattgatgtt ggtgccaaagt 180
atagaatctt cacagagtcc tcctgtagct tctaaagggt tagcttgaaa atgttaattg 240
cttaacgcta gtaagtgagt gaaaaagctg gggataaatt ttgtatcttg cttatatattc 300
agttcccacc tctgtccnga cnaaaccccc atatataa 338

<210> 114
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

<400> 114
tagtttacat atcccaacct ttaaaaatat tcctcttatt agctttatat tcactttata 60
gaagttgagt ttttaattaaa attccttgga tcctgaagta tgtcacatag catgtgctcc 120
ttataaatat gttgatattc cagaagacag catcccgggt ttcattttat aaagtaccat 180
acttaagaat gctgtaatac ttatctttta taacatgttt ccttcgcttt gcttgnccttt 240
tatgncatca gttttaactg tttacttcat ttaacagntt acatcatnca acagtttact 300
tcattaaaca gtaggtggaa aaatagatgc cagtctatga aaatcttccc atctatatca 360
aaatactttc aaggatatac ttt 383

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<210> 115
 <211> 615
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (586)..(586)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (610)..(610)
 <223> n is a, c, g, or t

<400> 115
 cgactttcaa ccatcaagtg aggaatacct tcacataact gagcctccct ctttatctcc 60
 tgacacaaaa ttagaacctt cagaagatga tggtaaacct gagttattag aagaaatgga 120
 agctttctccc acagaactta ttgctgtgga aggaactgag attctccaag atttcacaaa 180
 caaaacctat ggtcaagttt ctggagaagc aatcaagatg tttcccacca ttaaaacacc 240
 tgaggctgga actgttatta caactgccga tgaaattgaa ttagaagggtg ctacacagtg 300
 gccacactct acttctgctt ctgccaccta tggggctgag gcagggtgtgg tgccttggtc 360
 aagtccacag acttctgaga ggcccacgct ttcttcttct ccagaaataa accctgaaac 420
 tcaagcagct ttaatcagag ggcaggattc cacgatagca gcatcagaac agcaagtggc 480
 agcgagaatt cttgattcca atgatcaggc aacagtaaac cctgtggaat ttaatactga 540
 ggggtgcaaca cccattttc ctttctggag acttctaattg aaacanattt cctgattggc 600
 attaataaan agtca 615

<210> 116
 <211> 161
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (144)..(144)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (153)..(153)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (156)..(156)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (160)..(160)

<223> n is a, c, g, or t
 <400> 116
 gatttttaaa aatacatata gcaaaaatat tacagggtca ggggagacaa ttagaatgat 60
 ataattcaaa gtggattaaa aaaaaaactg tcaccagaa tacaataccc agcaaagttg 120
 tccttcataa atgaaagaaa aatnaaatct ttncnaacn a 161

 <210> 117
 <211> 28
 <212> DNA
 <213> Homo sapiens

 <400> 117
 tcccgggaat ctgcaggatc cgtcgact 28

 <210> 118
 <211> 258
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (28)..(28)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (34)..(34)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (39)..(39)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (188)..(188)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (223)..(223)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (228)..(228)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (231)..(231)
 <223> n is a, c, g, or t

 <220>
 <221> misc_feature
 <222> (255)..(255)
 <223> n is a, c, g, or t

<400> 118
gacagtgtccc agggctctga tatgtctntc acancttgna aagtgtgaga cagctgcctt 60
gtgtgggact gaaaggcaag atttgttcct gcccttcctt ttgtgacttg aagaaccctg 120
actttgtttc tgcaaaggca cctgcatgtg tctgtgttct tgtaggcata atgtgaggag 180
gtgggganac caccaccacc ccatgtccac catgaccctc ttncacnct nacctgtgct 240
ccctcccaa tcatnttt 258

<210> 119
<211> 694
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (666)..(666)
<223> n is a, c, g, or t

<400> 119
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tgaggcttct gctgcttctc ctagnggcgg cgtctgcgat ggtccggagc gaggcctcgg 120
ccaatctggg cggcgtgccc agcaagagat taaagatgca gtacgccacg gggccgctgc 180
tcaagttcca gatttgtgtt tcctgaggtt ataggcgggt gtttgaggag tacatgcggg 240
ttattagcca gcggtacca gacatccgca ttgaaggaga gaattacctc cctcaaccaa 300
tatatagaca catagcatct ttctgtctag tcttcaaact agtattaata ggcttaataa 360
ttgttggaac ggatcctttt gctttctttg gcatgcaagc tcctagcatc tggcagtgagg 420
gccaagaaaa taaggtttat gcatgtatga tggttttctt cttgagcaac atgattgaga 480
accagtgtat gtcaacaggc gcatttgaga taactttaaa tgatgtacct gtgtggtcta 540
agctggaatc tggtcacctt ccatccatgc aacaacttgt tcaaattctt gacaatgaaa 600
tgaaactcaa tgtgcatatg ggattcaatc cccaccatcg atcatagcac cccctatcag 660
cactgnaaac tcttttgcac taagggatca ttgc 694

<210> 120
<211> 337
<212> DNA
<213> Homo sapiens

<400> 120
ggcagcgcg ggagcccgtc ggcgcggcg ggcggggccgg tttcgaagtt gatgcaatcg 60
gtttaaacat ggctgaacgc gtgtgtacac gggactgacg caaccacgt gtaactgtca 120

gccggggccct gagtaatcgc ttaaagatgt tcctacgggc ttgttgctgt tgatgttttg	180
ttttgttttg ttttttggtc tttttttgta ttataaaaaa taatctatct ctatgagaaa	240
agaggcgtct gtatatatttg ggaatctttt ccgtttcaag cattaagaac actttttaata	300
aacttttttt tgataatggt taaaaaaaaa aaaaaaa	337

<210> 121
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 121	
cataataaaa aacaatcaac aaacagggaa tggaaagaaa cttcctcagc atggtgaagg	60
ccacatatga aaatcccaca gctaacatca tactcaatga tgaaagactg aaagcttttc	120
tcctgagatc aggaacaaga caaagatgtc accttttgtc acttctattc aactcattat	180
tggaagtttt tgccagagca attaggttaag	210

<210> 122
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 122	
cagaatcttt tcataggctg aatgttgctc cacaatgtgt cttttgacta tctctggcta	60
attattatct taatctcttc tcagcttttc caagaacata acgttaacca aagatcttag	120
gccattcaca actcttttgt aaaaattaat gtggatgtga aacgaggcaa caaatcctga	180
agtagaaagt tattcctggc caggcacggt ggctcacgcc tgtaatcctg gcactttggg	240
aggccgaggt ggggtgatca tgaggacagg agatcgagac catcctggcc aacatgatga	300
aaccccatct ctactaaaat acaaaaaatt agctgggcat ggtgacgcgt gcctgtagtc	360
ccagttactc gggaggctga ggcaggggaa ttgcttgaac ctcggagggtg ggaggttgca	420
gtgtgccgag atcacgctac tgcactccag cctggcaaca gagcaagact ccatct	476

<210> 123
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 123	
aaacagaaag tttcttctaa aggcattgatt cagttaagtc attcttaagt gttaaaaaat	60
tgtgaaaaat gtgcctgtaa tcccaacact ttgggaggcc gaggcaggca gatcacgagg	120
tcaggagatc aagaccatcc tggctaacaa ggtgaaaccc cgtctctacg aaaaatacca	180
aaaacattag ccgggcgtgg ttgtgggcgc ctgtagtccc agctacttga gaggctgagg	240
caggagaatg	250

<210> 124
 <211> 523
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (280)..(280)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (326)..(326)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (328)..(328)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (378)..(378)
 <223> n is a, c, g, or t

<400> 124
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 tgggtctttga ggggggtgtt tttttaagac aacattgacc actgtccact gtccacatga 120
 tcattgtaaa attgcaatgc cgcattgctag ttggttacat aagacataat tccagtgatt 180
 gaaggtgggtt aactgtatg gtggtgtgtt caagatggca ctggcatctt tgagcagagc 240
 ctggctatgc agcatcattt gagtttttta aacaccctan aggtctgggt gttgttgctg 300
 ttgtcctttc ctgtgaaagt cacaananaa gttacagtcc aggtgaacct ggagtttata 360
 ggttgggtttt gtttctgnta tatatatata tatatatatt tttttttttt ttttaacattt 420
 acctgtagtg ctgtagctgt tgatactatc acctgcatgc tatttctagt gagtgctaaa 480
 tacagtatgg tccaatgaca ataacagccc atggtactgc cag 523

<210> 125
 <211> 487
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (483)..(483)
 <223> n is a, c, g, or t

<400> 125
 catcagtctg ttatccatgc tgactttccg aagacttgca gctactgcat tgatatcttt 60
 cctgccaaata agcaaagtgt tgaacacttc aaaaaatatt ttactgaggc aggcttgaaa 120
 gagcttttcag aatatgttcg gaatcagcaa accatcggag ctcgtaagga gctccagaaa 180

gaacttcaag aacagatgtc ccgtggtgat ccatttaagg atataatfff atatgtcaag	240
gaggagatga aaaaaaacia catcccagag ccagttgtca tcggaatagt ctggtcaagt	300
gtaatgagca ctgtggaatg gaacaaaaaa gaggagcttg tagcagagca agccatcaag	360
cacttgaagc aatacagccc tctacttgct gcctttacta ctcaaggcca gtctgagctg	420
actctgttac tgaagattag ggagtattgc tatgacaaca ttcatttcac gaaagccttc	480
canaaaaa	487

<210> 126
 <211> 274
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (233)..(233)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (248)..(248)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (268)..(268)
 <223> n is a, c, g, or t

<400> 126	
cacactttca tgataaaaac agaacctagg aatgaaaaga aattatagca acataataaa	60
gaccatatat gagaagccca cagctaacat actgtatggt gaaaaactga aagctcttcc	120
tctaagatca ggaacaaggc aaggatgccc attcttgcca cttctatcga acgtagtact	180
ggaagcccta gccagaacia ctaggcaata gaaagaaatt aaaggcatcc atntcagaaa	240
ggaagaanca aaatgctgtc tgtttaanat gaca	274

<210> 127
 <211> 130
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (9)..(9)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (99)..(99)
 <223> n is a, c, g, or t

<400> 127

tttctatana aaaaaatttt ttaaaataat tgtaaagtta gattttaa	60
aatcacia aggaatgtac ccaataaaat gtaa	120
atgcnc cataaaaaaa aaaaaaaaaa	130

<210> 128
 <211> 519
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)..(3)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (160)..(160)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (252)..(252)
 <223> n is a, c, g, or t

<400> 128	
cgntaacgtg caatccgccg cagccagca aactggacaa actccgggat ctc	60
atcgaag cgattgagca ccagtaccag agtaataccg gactgatgta acgag	120
ggcgag tcgctcatcc agcttgctga cgtgaggcaa catccaggcc atcga	180
acggn tcatcaagaa tcaacaagtc aggctccgac atcagcgcct gacacag	240
cag ggtttttcgc gtctcgccag tggaaaggta tttaaagcgt cngtcgagga	300
ggcgggtaat accgaactgc tgcgccagtt gcatgcaacg cggtgcatcc	360
tttacttcat cctgaatgat ctgagccgta gtgcgtccgg tgccatcttc	420
gccagggccg agcatatcgg tgttattccg ctgccattcg tcgctgacga	480
gtttttgcaa ttgctcgaag gagagacgag tgatgtggga aaactggctt	519
tgccgttcac ctttcaaaag cggaagttc ccccgccagc gcgcgggcca	
gggcccgat	

<210> 129
 <211> 272
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (31)..(32)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (65)..(65)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (75)..(75)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (107)..(107)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (121)..(121)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (135)..(135)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (181)..(181)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (197)..(197)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (203)..(203)
 <223> n is a, c, g, or t

<400> 129
 tttttttttt ttatttctatt aaaaaatggt nntgaaaaaa gataacttaaa ttttaaagat 60
 aactnaattc ctaangattt aaaataatcc aagcagagat gaaagancaa atgcaaatgc 120
 ntaaaaagac cccanagcat tgttagcaaa aagcaaatat agttagccaa gcatatatat 180
 ntcataaaag caataanaag gcntaaagca agtttgggga gagcttattt aaaacttgta 240
 aaaatcattt gaatttttaa aagttttcaa ac 272

<210> 130
 <211> 551
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (144)..(144)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (148)..(148)
 <223> n is a, c, g, or t

<220>

<221> misc_feature
 <222> (153)..(153)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (172)..(172)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (174)..(174)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (369)..(369)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (401)..(401)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (449)..(449)
 <223> n is a, c, g, or t

<400> 130
 ttggaacac aaagtccct ttttagaaga ataggtattg agcccttgag cgtgggtaga 60
 aagatagaga cagagtgatt tgcaaaataa tggaggatca ttttatata tgaattttca 120
 cttatttgaa ctttcagata tcancttnaa aanccttggg ttaagtaaag tntnttaatg 180
 agactccttg gatgaaagta accaaaacca gtaaaaataa ggtaataagg atgtaatagt 240
 ttcttatgga cactcaacag ctagaatgca gttagtctca gaaaagaatt agaacaata 300
 actggaaggc catcaggagt ccaaaacat cactctttta tttttatat tttatttttc 360
 tctcttcana tgagcattct ctttctatgt ccatatggta naaggcggca gctccataga 420
 ttatggcttc agatgttaca gttccgctna atgcaggac agacttgcta tctttcagtc 480
 cccttacata tcctggggag agagcaaattg attgactggc ttgagtcagg tgcccgttcc 540
 ctttccaatc t 551

<210> 131
 <211> 224
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<400> 131
gtttgnttgt gaccatctgt acttgtaatt tctttacntt cattgggatg aaaaatatgt 60
tcttagaagc angaaaaaga attcagnttt gctttgtata ctaaattaaa tgctgtaatt 120
ttgataaaat gaaaaatctg ctttatttgc aacaattggg ttcttccttg acgtcagcct 180
cactcttgga ctttggtatt cagccngnca cccctgggaa ttcc 224

<210> 132
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<400> 132
gtgcctccct gtgtgagtag cctaagggtgc attgaaaaag actgggatgt gttttatattt 60
tttgtattag atagcattaa ccttactggt gaagtatttt tgggtggagta ttagtgacaa 120
gccattgagt cttaagcctt acggcttcct ataaaatcac taatttcgtg tgtgtttgtg 180
tgtaggttac gttatatata ggattcgtgt tcgccgtggg ggccgaaaac gccagttcc 240
taagggtgca acttacggca agcctgtcca tcatggtggt aaccagctaa agtttgctcg 300
aagccttcag tccgttgcag aggancgagc tggacncct ggggggctc 349

<210> 133

<211> 635
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (557)..(557)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (605)..(605)
 <223> n is a, c, g, or t

<400> 133
 ttaacagctg catagagttt taaaagtaca ttatatatttg tcagacaagt aaaatatctg 60
 tttttcacgc aaaaaaagcc atgaaatagc taatttttta aagacaaaaa atcatctttt 120
 gagtttgctc tttggttttt cttcattcct tttgaggatt gggaaaacag aaagattctt 180
 tgatttgggt aatgaagagg taatttggga cagtgtggtg gtaccaggaa gaaagaggat 240
 tggaaaggcc agtactgttt tagttgctcg gcactgttgg ttttgtttta atgtggttgc 300
 cctgtccact acatggttct atcagtagtg taatccattt tcaatgtaaa gctcttttag 360
 tttttgtcat agacataaat taatatatttg agaggcatcc ctcacctgtt catttcttct 420
 gtgttgaaat gaagtactta aaattaccgt tatacatgaa ctttgtggac tgtaagattt 480
 gttatatatg ttcaaagcc ttttagctgg ctttttaatt aatatgcctg ttttgagtgc 540
 ttaatacaat gtaatgngga ttgtaaatca tacctatttt aaatcattcc ttcctgtata 600
 tttgnactca gagagcctta ttttattctt ccagc 635

<210> 134
 <211> 382
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (193)..(193)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (249)..(249)
 <223> n is a, c, g, or t

<400> 134
 ttttcttaga actttatttt ttctggccag ggcagtggtc tcacacctgt aatcccagca 60
 ctttgggagg ccaaggcagg tcgatcacct gaggtcagga gctcaagacc agcctggcca 120
 acatggtgaa accctgtctc tactaaaaat acaaaaatta gctgggcgtg gtggcgcgtg 180
 cctgtaatcc canctactca ggaggctgag gcaggagaat tgtttgaacc cgggaggcgg 240

aggttgcant gagccgagat tgcgccactg cactccagcc tgggcaacag agcgaaactc	300
catctcaaaa aaaaaaaaaa aaaacaacct ttatTTTTTtC tgatttttaa agtaataact	360
agttttaga aacattaaaa gt	382

<210> 135
 <211> 503
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (27)..(27)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (66)..(66)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (305)..(305)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (403)..(403)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (424)..(424)
 <223> n is a, c, g, or t

<400> 135	
accctaaaca taacttaaaa tttgttngga atttgaaagt acagaatttt cctgtaattg	60
agactnttta aacttttgtg gttggagaag gtattctatt ttttgaaaat atctgtaagt	120
tttatctaaa tagtaaaactc taagtattct tccccctttac ttacagccac cctgggaatc	180
tgagactaga gaaaataaag tttgtctctt gttctaagga ggggtctggt tagaaatctg	240
atntagacat agaaaaattg caagaagctt gaggtgattg gaagatacga ttttgttatc	300
aaagnatggt tctgttttat agattttatt catctacaac tccttattaa tatatttaag	360
aagtcattaa cccaccattg attacttgat ataaaaggag aancggtggt aaaagggtgaa	420
atanaatttt taattttttt ttttttaagt ttaggatttt tttttaaatt ctaagagttt	480
ctgtcatttg gggacaatca gaa	503

<210> 136
 <211> 576
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (15)..(15)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (29)..(29)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (48)..(48)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (319)..(319)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (557)..(557)
 <223> n is a, c, g, or t

<400> 136
 tgggaatcat aattingtta ctgaagctna taagatgaga gcattcanag agaaaagaac 60
 ggaaagattg aatatcagtt tcccttcttt aaaaaaattg tggatatgtg atctagcttc 120
 ttgagcatca cagtgactga ttggctcgtg gtaattgatc gctatgctga caatcttatac 180
 tccacctatg tcattcaatt ttctaagagg caaaatcctt aatcaggagg agagtttagc 240
 tctagctaaa tttcccttgt ccagcatgct cctgctcccc caacttggtg aaacagctaa 300
 aggattggac taggagcana agtttggaaat ggttaaaatg tagcaacatg tgtttcctga 360
 aacaaaattc cactataata aaaaaagcat ttgaatgctc ccttgtaatt ctggtggagc 420
 ttgttgcctt ttttatgaca caaccataat cagtgataga cagtagcata aagaagcaag 480
 agcaaagcaa ttaagtaata atagcactac aaaaatgtgt gctgtactta ccaaacacga 540
 ctttatgaa ttattanata ggaataaggg gatggt 576

<210> 137
 <211> 508
 <212> DNA
 <213> Homo sapiens

<400> 137
 gacccagcca tctaaataag ttrtacatgt tgcgtatttt tttgttaggg acttatcttc 60
 cgaagaggaa aggtttatga aacctaagat aacaatgata gcttggaatc aaaatgatag 120
 cattgttggc acagctgtga atgatcatgt cctcaaagtg tggaattctt aactggaca 180
 actgcttcat aacttaatgg gacatgctga tgaagtatgt gttctggaga cacatccctt 240
 tgattccaga attatgttat ctgcaggaca tgatggcagc atatttatat gggatattac 300
 aaaagggtacc aagatgaaac attattttta tatggtaagt gaagtgaat gtaccttgat 360

acatgcttga taatttgttt agagtatttg ggttatgcgg cttaccaga aattgatctg	420
cttgttttgg cagtttgttt ttacaaatca acatattcaa agcctgctaa atattagaca	480
gctacatgta tatacgtaca tacatgaa	508

<210> 138
 <211> 4
 <212> DNA
 <213> Homo sapiens

<400> 138	
tttc	4

<210> 139
 <211> 431
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (384)..(384)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (403)..(403)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (412)..(412)
 <223> n is a, c, g, or t

<400> 139	
ctcgctggcg ggaggccacg ggctttccac agcgcggggg aacgggaggc tgcaggatgg	60
tcaagctgac ggcggagctg atcgagcagg cggcgcagta caccaacgcg gtgcgcgacc	120
gggagctgga cctccggggg tgatctggac cctctggcat ctctcaaadc gctgacttac	180
ctaagtatcc taagaaatcc ggtaaccaat aagaagcatt acagattgta tgtgatttat	240
aaagttccgc aagtcatagt actggatttc cagaaagtga aactaaaatt ttaatccagg	300
tgctggtttg ccaactgaca aaaagaaagg tgggccatct ccaggggatg taaaagcaat	360
caagaatgcc atagcaaatg cttnaactct ggctgaagtg ganaggctga angggttgct	420
gcagtctggt c	431

<210> 140
 <211> 606
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (177)..(177)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (237)..(237)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (475)..(475)
 <223> n is a, c, g, or t

<400> 140
 gaagacctca catctgagag ctcatctgcg ttggcattct ggagaacgcc cttttgtttg 60
 taactggatg tactgtggta aaagatttac tcgaagtgat gaattacaga ggcacagaag 120
 aacacatata ggtgagaaga aatttgtttg tccagaatgt tcaaaacgct ttatganaag 180
 tgaccacctt gccaaacata ttaaaacaca ccagaataaa aaaggtattc actctancag 240
 tacagtgctg gcatctgtgg aagctgcgcg agatgatact ttgattactg caggaggaac 300
 aacgcttatc cttgcaaata ttcaacaagg ttctgtttca gggataggaa ctgttaatac 360
 ttccgccacc agcaatcaag atatccttac caacactgaa atacctttac agcttggtcac 420
 agtttctgga aatgagacaa tgggagtaaa tattacacaa atacttattc attgnggtta 480
 tttttatata gtagtgagaa gaatattggt cctaagttct tagatatctt tttttggatg 540
 tgcaaaaatt tttggattga cagtaacttg ggtatacatg aacttgaaat gccttacttt 600
 ggatga 606

<210> 141
 <211> 564
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (62)..(62)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (175)..(175)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (441)..(441)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (445)..(445)
 <223> n is a, c, g, or t

<220>

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<221> misc_feature
<222> (491)..(491)
<223> n is a, c, g, or t

<400> 141
tgcctgcggg ccaggacctc gccagccca tgttcatcca gtcagccaac cagccctccg      60
angggcaggc cccccagggtg accggcgact gagggcctga gctggcaagg ccaaggacac      120
ccaacacaat ttttgccata cagccccagg caatgggcac agccttcctc cccanaggac      180
ccggccgacc tcagcgctc ctgcaggcta ggacactggg gcactacacc ccatgcctgg      240
gggccgagat tctccagcag aaagatgcaa ttttttttgt ttcctttttt tccatttttt      300
tctctaagga atcaatattt caatatgttg agtgtgtgtc caatgctatg aaattaaaat      360
attaaataac atatttatgg cattttcttg aagagtgtgg ttgaagaaat atttctcctt      420
ttgtttttct tttttttttg nttgntactg ccacttcttt ttaggagcaa atctccccag      480
gggtgtacgg natttcttga ctctgggaac agctgctacc cccaagactt gccacgttgt      540
tctgccctca aatggaatta agtg                                           564

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<210> 142
<211> 390
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

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<400> 142
ggaatatggt caggatcttc tccatactgt cttcaagaat ggcaagggtga caaaaagcta      60
ttcatttgat gaaataagaa aaaatgcaca gctgaatatt gaactggaag cagcacatca      120
ttaggcctta tgactgggtg tgtgttgtgt gtatgtaata cataatgttt attgtacana      180

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tgtgtgggggt ttgtgtttta tgatacatta cagccaaatt atttgttggt tnatggacat	240
actgcccttt catttttttc ttttccagtg tttaggtgat ctcaaattaa gaaatgcatt	300
taaccatgta aaanatgant gctaaagtca gcttttttagg gccctttgcc aataggtant	360
cattcaatct ggtattgatc ttttcacaaa	390

<210> 143
 <211> 546
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (87)..(87)
 <223> n is a, c, g, or t

<400> 143	
acccgccatc ttccagtaat tcgccaaaat gacgaacaca aagggaaaga ggagaggcac	60
ccgatatatg ttctctaggc cttttanaaa acatggagtt gttcctttgg ccacatatat	120
gcgaatctat aagaaagggtg atattgtaga catcaaggga atgggtactg ttcaaaaagg	180
aatgccccac aagtgttacc atggcaaaac tggaagagtc tacaatgtta cccagcatgc	240
tgttggcatt gttgtaaaca aacaagttaa gggcaagatt cttgccaaga gaattaatgt	300
gcgtattgag cacattaagc actctaagag ccgagatagc ttcctgaaac gtgtgaagga	360
aaatgatcag aaaaagaaag aagccaaaga gaaagggtacc tgggttcaac taaagcgcca	420
gcctgctcca cccagagaag cacactttgt gagaaccaat gggaaggagc ctgagctgct	480
ggaacctatt ccctatgaat tcatggcata ataggtgtta aaaaaaaaaa ataaaggacc	540
tctggg	546

<210> 144
 <211> 109
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (12)..(12)
 <223> n is a, c, g, or t

<400> 144	
acattttccg gnccttttgc catacacagt tacagagatc agtcaaattcc ataccaccac	60
tgagatctca tttattgccca cagatgcaca aaataaataa cccaaaatc	109

<210> 145
 <211> 374
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (272)..(272)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (292)..(292)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (362)..(362)
 <223> n is a, c, g, or t

<400> 145
 ccagcaacga cccatacctc agacccgacg gcccggagcg gagcgcgccc tgccctggcg 60
 cagccagagc cgccgggtgc ccgctgcagt ttcttgggac ataggagcgc aaagaagcta 120
 cagcctggac ttaccaccac taaactgcga gagaagctaa acgtgtttat tttcccttaa 180
 attatTTTTg taatggtagc tttttctaca tcttactcct gttgatgcag ctaaggtaca 240
 tttgtaaaaa gaaaaaaaaac cagacttttc anacaaacc tttgtattgt anataagagg 300
 aaaagactga gcatgctcac ttttttatat taatttttac agtatttgta agaataaagc 360
 ancatttgaa atcg 374

<210> 146
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 146
 gtacaggagg taaattggat accccatcta aggggatctg tgagaccagg tagttatttg 60
 gaatgaaaga gtaagatatt aaaccagcca gcatgtcaac aggtgggtga tagtcttggt 120
 ctcacagaca acagatggcc atcatcttaa aacaacattt atgttaacca gcagataagg 180
 gactcctgca ttgtcagtgg actttgagcc tgagtttttc tacttgcata ggtgaaagtg 240
 gactgcaatg ctagtataaa tgccgtatga tgactagtac cccttaggga gctccagttt 300
 gccttcctgg ggaaccacag accccaagtg taatttcctg aggacagccc gacttct 357

<210> 147
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (63)..(63)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<222> (101)..(101)
 <223> n is a, c, g, or t

<400> 147
 gttactgtga gcctgtcagt agtgggtacc aatcttttgt gacatattgt catgctgagg 60
 tngnacacct gctgcactca tctgatgtaa aaccatccca nagctggcga gaggatggag 120
 ctgggtggaa actgctttgc actatcgttt gcttggtgtt tgtttttaac gcacaacttg 180
 cttgtacagt aaactgtctt ctgtactatt taactgtaaa atggaatttt gactgatttg 240
 ttacaataat ataactctga gatgtgtgaa aaaaaaaaaa aaaaaaaaaa aaa 293

<210> 148
 <211> 521
 <212> DNA
 <213> Homo sapiens

<400> 148
 ctgcggtgga gccgccacca aaatgcagat tttcgtgaaa acccttacgg ggaagaccat 60
 caccctcgag gttgaaccct cggatacgat agaaaatgta aaggccaaga tccaggataa 120
 ggaaggaatt cctcctgata agcagagact gatctttgct ggcaagcagc tggaagatgg 180
 acgtactttg tctgactaca atattcaaaa ggagtctact cttcatcttg tgttgagact 240
 tcgtggtggt gctaagaaaa ggaagaagaa gtcttacacc actcccaaga agaataagca 300
 caagagaaag aagggttaagc tggctgtcct gaaatattat aagggtggatg agaatggcaa 360
 aattagtcgc cttcgtcgag agtgcccttc tgatgaatgt ggtgctgggg tgtttatggc 420
 aagtcacttt gacagacatt attgtggcaa atgttgtctg acttactgtt tcaacaaacc 480
 agaagacaag taactgtatg agttaataaa agacatgaac t 521

<210> 149
 <211> 470
 <212> DNA
 <213> Homo sapiens

<400> 149
 aagctcatga ttttaaagt atttttctaa taaactatac tcccatttaa aaatcaccaa 60
 taccttaatg tttcaattat ataagctaata taaaaataaa ggctgggcgt ggtggctcac 120
 tttggaagac cgaggcaggc agatcacctg aggtcaggag ttcgagacca gcctgccccaa 180
 catggagaaa ccccatctct actaaaaata caaaattagc caggcatggt ggcacatgcc 240
 cgtaatccca gctactgggg aagctgaggc aggagaatca cttgaacctg ggaggcaggg 300
 gctgcagtga gccgagatca tgccattgca ctccagtctg ggcaacaata gtggaactcc 360
 atctcaaaaa taataaaaaa aataaaaaaa aaataaaatt caaacctaaa atagatgctc 420
 tacttcagga gtgggcaaata taatcacctg catccttttt ttgggctttc 470

<210> 150

<211> 575
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (492)..(492)
 <223> n is a, c, g, or t

<400> 150
 ttttttttcta aatgnggatt actaatatat gtggagacta ttaatctctt ttctgttgcc 60
 attagttcat ttttcccaa aagccaatac atgttcatta caaaaatgaa ttataaaata 120
 taagttaaaa gaaaaacata aaaccctaca atcttaccba cccagacaac tactattaat 180
 accttagtat taacatatac acatcatgta tatgtataaa tttatcttaa acaaaaataa 240
 aattattctt tacatattgt tttaaaacct atttatctgg ccagggtgccg tggctcacgc 300
 ttgtaatccc agcactttgg gaggctgagg cacgtggatc acctgaggtc aggaattcga 360
 gaccagccca gccaacatgg tgaaaccctg tctctaattg tttaaatacc aaaaaattag 420
 ctgggcatgg tggcacatgc ctgtaatatc agctaacatg ggaggctgag gcaggagaat 480
 cacttgaacc anggaggggg aggttgcagt gagccgaaat cacaccactt cactgcagcc 540
 tgggcaacaa agcaagactg tctcaaaaag aaaaa 575

<210> 151
 <211> 470
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (53)..(53)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (86)..(86)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (115)..(115)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (179)..(179)
 <223> n is a, c, g, or t

<220>

<221> misc_feature
 <222> (206)..(206)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (260)..(260)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (284)..(284)
 <223> n is a, c, g, or t

<400> 151
 cactgtcatt cccaggagggc tttggagtca gaactggatt caaattctga ctntatgttg 60
 tgtgacttgg gccaatagct tctttntgtg cctcagtttc tttagctgta aatanacggg 120
 taggtcacc cttaccccat aggttatggg gaaagttaca gaaaatgggc agctgggcnc 180
 agtggctcaa gcctgtgggc ccagcncctt gggaggccaa ggtgagcaga ttgcttgagc 240
 ccaggagttt gacaccagtn tggcaacgtg acgaaaccct atcncctgtga aaaatacaaaa 300
 aaattagcca ggcattggtg tgtgtgtctg tggttccagc tgcttgagag tttgaagtgg 360
 gaggatcacc tgagcccaga aggtcgaggc tgcagtgagc tgtgatcgcg tcaactgcact 420
 ccagcctggc gacagagtga gacccctttt gaaaaaaaaa aaaaaaaaaat 470

<210> 152
 <211> 631
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (248)..(248)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (602)..(602)
 <223> n is a, c, g, or t

<400> 152
 gtgagcgggtg gtggttttatt cttccgtgga gttaagggct ccgtggacat ctcaggtctt 60
 cagggtcttc catctggaac tatataaagt tcagaaaaca tgtctcgaag atatgactcc 120
 aggaccacta ttttttctcc agaaggctgc ttataccaag ttgaatatgc catggaagct 180
 attggacatg caggcacctg tttgggaatt ttagcaaatg atggtgtttt gcttgcagca 240
 gagagacnca acatccacaa gcttcttgat gaagtctttt tttctgaaaa aattttataaa 300
 ctcaatgagg acatggcttg cagtgtggca ggcataactt ctgatgctaa tgttctgact 360
 aatgaactaa ggctcattgc tcaaaggtat ttattacagt atcaggagcc aataccttgt 420
 gagcagttgg ttacagcgct gtgtgatatc aaacaagctt atacacaatt tggaggaaaa 480

cgtccctttg gtgtttcatt gctgtacatt ggctgggata agcactatgg ctttcagctc	540
tatcagagtg accctagtgg aaattcgggg gatgggaagg ccacatgcat tggaaataat	600
ancgctgcag ctgtgtcaat gttgaaacaa g	631

<210> 153
 <211> 646
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (200)..(200)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (576)..(576)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (638)..(638)
 <223> n is a, c, g, or t

<400> 153	
tttttttttt ataaactcca atcattttcca gagctactta gctcagcatc ttttttttcc	60
acgctcttaa gttgtgttta tacatttttg atacagttag attgtttttg tcacattctt	120
cattctatcc tgggatcccc caaccaccta agtggatttt ttgataattt gcatgcttta	180
aggataactc ttcattctgn aaagggctat gggttttggc aaatgcagag tcatgtatcc	240
aagattacaa tatcgcacag aagagtttca tcactatata aaactcacca gtcttcctcc	300
tattcaacca tctccatgcc ttcttcccag ccctaactcc ttaaaaccac tcatatcttt	360
actattgcta tagtattgcc tcttccacca tgtcatataa atggaaacat acagtattag	420
tcttctcaaa ctagtttctt ttacctaaca acatgcattt aagattcata gtgtctttta	480
atgacttgat agattatttc tttgtagctg aataatattg catcttatag atgtaaccgt	540
ttgtatatcc atattttctc acagcctatg acttgncttt tgattctctg aacaggccat	600
tcacaaagca gaagttttta tttttataaa gctaatgnat caactt	646

<210> 154
 <211> 69
 <212> DNA
 <213> Homo sapiens

<400> 154	
cctggatgac agcatatctg tttatagctc agtttactga atactttaag cccactgttg	60
aaacctgct	69

<210> 155
 <211> 502
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (500)..(500)
 <223> n is a, c, g, or t

<400> 155
 gatgcatgtc cagcataggc aggattgctc ggtggtgaga aggttaggtc cggctcagac 60
 tgaataagaa gagataaaat ttgccttaaa acttacctgg cagtggcttt gctgcacggt 120
 ctgaaaccac ctgttcccac cctcttgacc gaaatttcct tgtgacacag agaagggcaa 180
 aggtctgagc ccagagttga cggagggagt atttcagggt tcacttcagg ggctcccaa 240
 gcgacaagat cgtaggggag agaggcccag ggtggggact gggaatttaa ggagagctgg 300
 gaacggatcc cttaggttca ggaagcttct gtgcaagctg cgaggatggc ttggggccgaa 360
 gggttgtctt gcccgccgcg ctagctgtga gctgagcaaa gccctgggct cacagcacc 420
 caaaagcctg tggtttcagt cctgcgtctg caccacacat tcaaaaggat cgttttgttt 480
 tgtttttaaa gaaaggtgan at 502

<210> 156
 <211> 373
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (8)..(8)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (27)..(27)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (34)..(34)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (43)..(43)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (62)..(62)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<222> (96)..(96)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (117)..(117)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (149)..(149)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (219)..(219)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (299)..(299)
 <223> n is a, c, g, or t

<400> 156
 ctgcatnga gttttgagag gaaggantaa agtnctcatc tcngacggtg agaaagatca 60
 tnactaagga aacgcagggt tggaagcagt gctgantgtc cagttgagtt tcatgancaa 120
 acatttgctg tgggaccagt tttcatggng gtttgtcatt ttgtccagct gcctggagct 180
 gcttggttga aggcacagaa taatcaggat taattgttna acttgtatga atttctttat 240
 tttaaaatag gaataatatc tgccttgga gcaagttgta agagttaact gaaagcttna 300
 ggaaaaactt tcccttgcta ttttaagtagg gctttacaag ttacaattct atcacagttt 360
 taagattata aac 373

<210> 157
 <211> 155
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (9)..(9)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (26)..(26)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (36)..(36)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (38)..(38)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (51)..(52)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (71)..(71)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (82)..(82)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (127)..(127)
 <223> n is a, c, g, or t

<400> 157
 gcggcgcanc tgcggatcca naaggncata aacgancnga acctgccaa nncgtgtgat 60
 atcaccttct nagatccaga cnacctctc aacttcaagc tggatcatctg tcctgatgag 120
 ggcttcnaca agagtgggaa gtttgtctca aaaaa 155

<210> 158
 <211> 585
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (559)..(559)
 <223> n is a, c, g, or t

<400> 158
 gatttactgt ggaatttgc tcatgcaatt atggaaacct agaagtcca taatatgcca 60
 tcttcaagct ggaatcccag gaaagcaggt ggtgtaattc tgagattgaa gtcttgagaa 120
 ccgggggagt caatggtgta actcccaatc tagggcttaa ggccaagga ccagggtgc 180
 tgggtgtcag atgcaaacc tggagttcaa aggattgaga accaggagct ctggtgtctg 240
 agggcagtag aagatggatg ttccagctca agaagggaaa gtaagaatcc gtccttcctc 300
 cacttttttg ttctattcag atgagccctc aatggactga acgatgctca cccacactgt 360
 gagggctggt cttcttttatt caatccactg acttaagtgc tgatctcttc tggaaacacc 420
 ttcacagaca caccagaaa taatgttcta ccagccatgg gcctgttact tagcccagtc 480
 aagttgacac agaaaattag ctatcacaac atctgtgtgt gtatatacat atgtatttgc 540

atgtgtgtgt atatatgng tatatatatt catgtgtgtg tatat 585

<210> 159
 <211> 454
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (428)..(428)
 <223> n is a, c, g, or t

<400> 159
 cttttgccag taggccccct gagtaggttc ctctatcttt tggcatgacc ccagaagtct 60
 ttgataactt ccttgctttc tgatgtgaca agacatccag ggccagattg tccatatact 120
 gccccggatg cacgatgcac tgtttctcca agaatccctg tgtcctttgc tgatgatgcc 180
 atgattttta gttctctaata atagttttat ctctttgttt cagataatgc ttttgtgttc 240
 tcacatgtcc tgctctctct ctctctctca ttttggtgtt gatcagtcct tccataagat 300
 tgttttatttc actagtcctt cattcttctt ttttctaaat ttactcttct tgactagtat 360
 cctgtcactt ctgaggactc atatTTTTgc aacttgaaaa ttattcttat ttatttaagt 420
 atatgttntt gaaactctca ttagacacat tttg 454

<210> 160
 <211> 346
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (191)..(191)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (200)..(200)
 <223> n is a, c, g, or t

<400> 160
 gttaaaaaaa gtaaaaggaa ctcggaat cttacccgc ctgtttacca aaaacatcac 60
 ctggtagcat caccagtatt agaggcaccg cctgcccagt gacacatgtt taacggccgc 120
 ggtaccctaa ccgtgcaaag gtagcataat cacttggttc ttaaataagg acctgtatga 180
 atggctccac nagggttcan ctgtctctta cttttaacca gtgaaattga cctgcccgtg 240
 aagaggcggg cataacacag ctgaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aatttt 346

<210> 161
 <211> 516

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (124)..(124)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (443)..(443)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (466)..(466)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (513)..(513)
<223> n is a, c, g, or t

<400> 161
cttttcatgg tctcttggtc attaatcatc taaaatccaa gcncagagaa ttcaatttta 60
gatgggtctcc agagcagaat ttgatgtata atcttaatta caaatcatag ataattaata 120
ttgnttacaa aatcanaata cgattagagg tagggatcct gcacacaccc tattttcctc 180
cccagtgttc tgaccgagag actaattaat aattcaagga acttacagtg aatganaacc 240
catgggttttg cttaattatc agaacagcta gatctgagaa cagctgtctc ccacatggat 300
agacacttat tccaccatt tgcaggtaga atagctggca ataataagtc cttcccattg 360
gatatgttga aaggtgcctg ccatggcata gttgccacaa gagaggaaga aatggacaca 420
aatgtaggct gttttcaggg canaggaag gtgggaggaa accaanttgc tggttttcac 480
acaccctctg gggaacaccc atgcacctat ganatg 516

<210> 162
<211> 385
<212> DNA
<213> Homo sapiens

<400> 162
gacaaaagct gagagaatTT ttttcttgaa tatttgcact aaaagatagg ttaaaattct 60
tcaggctgaa gagagcatac caggtggaga tttggatcta caaaaaggaa ggaagatttg 120
gaaatggatt tggcaccatt gactcaatTT ccagaacaag aaagcaggga cagttttggg 180
aagctcaaga cacttgccc atgagcagca atttggacct cctgctgcat ccactgtgca 240
tcaaacacac actgtacaga caaagactcc caggaaaaga agtataaaca tggactaaca 300
cagagatggg caaactacag cctgtgacct agccacctgt ttatgtagaa tccaaagtaa 360
gaatctttta cttacacata aactt 385

<210> 163
<211> 660
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (22)..(22)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<400> 163
gacagcagag cacacaagct tntaggacaa gagccaggaa gaaaccaccg gaaggaacca 60
tctcactgtg tgtaaacatg acttccaagc tggccgtggc tctcttgga gccttcctga 120
tttctgcagc tctgtgtgaa ggtgcagttt tgccaaggag tgctaaagaa cttagatgtc 180
agtgcataaa gacatactcc aaacctttcc accccaaatt tatcaaagaa ctgagagtga 240
ttgagagtgg accacactgc gccaacacag aaattattgt aaagctttct gatggaagan 300
agctctgtct ggaccccaag gaaaactggg tgcanaagggt tgtgganaag tttttgaaga 360
gggctgagaa ttcataaaaa aattcattct ctgtggtatc caagaatcag tgaagatgcc 420
agtgaactt caagcaaadc tacttcaaca cttcatgtat tgtgtgggtc tgttgtaggg 480
ttgccagatg caatacaaga ttcttggtta aatttgaatt tcagtaaaca atgaatagtt 540
tttcattgta ccatgaaata tccagaacat acttatatgt aaagtattat ttatttgaat 600
ctacaaaaaa caacaaataa tttttagata taaggatttt cctggatatt gcacgggaga 660

<210> 164
 <211> 549
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (22)..(22)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (300)..(300)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (335)..(335)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (347)..(347)
 <223> n is a, c, g, or t

<400> 164
 gacagcagag cacacaagct tntaggacaa gagccaggaa gaaaccaccg gaaggaacca 60
 tctcactgtg tgtaaacatg acttccaagc tggccgtggc tctcttggca gccttcctga 120
 tttctgcagc tctgtgtgaa ggtgcagttt tgccaaggag tgctaaagaa cttagatgtc 180
 agtgcataaa gacatactcc aaacctttcc accccaaatt tatcaaagaa ctgagagtga 240
 ttgagagtgg accacactgc gccaacacag aaattattgt aaagctttct gatggaagan 300
 agctctgtct ggacccaag gaaaactggg tgcanagggt tgtgganaag tttttgaaga 360
 gggctgagaa ttcataaaaa aattcattct ctgtggtatc caagaatcag tgaagatgcc 420
 agtgaaactt caagcaaadc tacttcaaca cttcatgtat tgtgtgggtc tgttgtaggg 480
 ttgccagatg caatacaaga ttcctgggta aatttgaatt tcagtaaaca atgaatagtt 540
 tttcattgt 549

<210> 165
 <211> 660
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (22)..(22)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (300)..(300)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (335)..(335)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (347)..(347)

<223> n is a, c, g, or t

<400> 165

gacagcagag cacacaagct tntaggacaa gagccaggaa gaaaccaccg gaaggaacca 60

tctcactgtg tgtaaacatg acttccaagc tggccgtggc tctcttggca gccttcctga 120

tttctgcagc tctgtgtgaa ggtgcagttt tgccaaggag tgctaaagaa cttagatgtc 180

agtgcataaa gacatactcc aaacctttcc accccaaatt tatcaaagaa ctgagagtga 240

ttgagagtgg accacactgc gccaacacag aaattattgt aaagctttct gatggaagan 300

agctctgtct ggaccccaag gaaaactggg tgcanagggt tgtgganaag tttttgaaga 360

gggctgagaa ttcataaaaa aattcattct ctgtggtatc caagaatcag tgaagatgcc 420

agtgaaactt caagcaaatc tacttcaaca cttcatgtat tgtgtgggtc tgttgtaggg 480

ttgccagatg caatacaaga ttcttggtta aatttgaatt tcagtaaaca atgaatagtt 540

tttcattgta ccatgaaata tccagaacat acttatatgt aaagtattat ttatttgaat 600

ctacaaaaaa caacaaataa tttttagata taaggatttt cctggatatt gcacgggaga 660

<210> 166

<211> 542

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (94)..(94)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (140)..(140)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (527)..(527)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (530)..(530)

<223> n is a, c, g, or t

<400> 166

gaattgtgat agttcagctt gaatgtctct tagagggtgg gcttttgttg atgagggagg 60

ggaaactttt ttttttctta tagacttttt tcanataaca tcttctgagt cataaccagc	120
ctggcagtat gatggcctan atgcagagaa aacagctcct tggatgaattg ataagtaaag	180
gcagaaaaga ttatatgtca tacctccatt ggggaataag cataaccctg agattcttac	240
tactgatgag aacattatct gcatatgcc aaaaatttta agcaaatgaa agctaccaat	300
ttaaagttac ggaatctacc attttaaagt taattgcttg tcaagctata accacaaaaa	360
taatgaattg atgagaaata caatgaagag gcaatgtcca tctcaaaata ctgcttttac	420
aaaagcagaa taaaagcgaa aagaaatgaa aatgtttacac tacattaatc ctggaataaa	480
agaagccgaa ataaatgaga gatgagttgg gatcaagtgg gattgangan gctgtgctgt	540
gt	542

<210> 167
 <211> 421
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (220)..(220)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (245)..(245)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (351)..(351)
 <223> n is a, c, g, or t

<400> 167	
cttgaacctc ggaggcagag gttgcagtga gccgagatca cgccactgca ctccagcctc	60
ggggacagag caagactcca tctcaaaaca cacacacaca cacacacaca cacacacaca	120
cacacaaaac agatatacac tgaacacagc acaagtggga cataagagat ttaaaagggg	180
tagagatgta aaatggatct aggaatggaa accataaggn gggatttatc aactggattc	240
tgcanaatgc tgттаaggcc agatgttagc aggtgttaca taaaaaaggg ataccatgag	300
caaaagtatt tgaacatggg caatggttga aacaagttta aacagattat ntttattacc	360
aaatctctca aacctttaat atgctataaa cattgtgaaa caataaaaaa actttccaaa	420
a	421

<210> 168
 <211> 472
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (152)..(152)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (460)..(460)
 <223> n is a, c, g, or t

<400> 168
 gggaaggagg ctatgagtgt gtgtgtttgtg tatggactca ctcccagggtt cacctggcca 60
 caggtgcacc cttcccacac cttttacatt ccccagagcc aaggaggagttt aagtttgcag 120
 ttacaggcca gtttctccagc tctccatctt anagagacag gtcaccttgc aggcctgctt 180
 gcaggaaatg aatccagcag ccaactcgaa tccccctagg gctcaggcac tgagggcctg 240
 gggacagtgg agcatatggg tgggagacag atggagggta ccctattttac aactgagtca 300
 gccaaagccac tgatgggaat atacagattt aggtgctaaa ccgtttattt tccacggatg 360
 agtcacaatc tgaagaatca aacttccatc ctgaaaatct atatgtttca aaaccacttg 420
 ccctcctgtt agattgccag ttcctgggac caggcctcan actgtgaaag ta 472

<210> 169
 <211> 638
 <212> DNA
 <213> Homo sapiens

<400> 169
 ggcggagggtt gcagtgagct gagatggcgc cattgctctc ccagcctggg tgacaagagc 60
 aaaactccgt ctcaaaaaaa aaaaaaaaaa aaaaagcaat ttacttaaaa acatacaaac 120
 acagagacaa gtatTTTTga gaaacaaata cttttttcat tttttatacc aatgtaacaa 180
 taatccatta aacacacctt tactaactgt tttctaggag tctgatatga tgaggaaata 240
 ggtaaacctt taatagccag tactaaatta gagtggcaca acttttactg ggaaaaaaga 300
 tgggtatttt acttttctgt tttagaaaag tggcttgaca acagtatgct tatgtcttag 360
 agtttgaaat tcaagttctt gaacattatt aatggctaca atcattcata cccacattgg 420
 gctgtattct tgatgaatcc aaagtgattt tcacctcaac tctgaatttc attctcctct 480
 tttgaatata atacaacat ctactagag gaagcatttc agtcttttct gattggagat 540
 tcattattgt tttagataat gttttcattt gcttatgggt atataaaaaa ttttatctta 600
 aaaatatttc ctctcattta gctagcaaca ttgttttc 638

<210> 170
 <211> 512
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (432)..(432)
 <223> n is a, c, g, or t

<400> 170
 ctcagggtga tctctgaacc caaacttgcc ccaaagaagg ttgctctgtc ctctccacat 60
 ccccatctcc tccctagggc cttgttgggg agaggctcct ccattcttcc caagtcacac 120
 catcgtttcc tacgtggtct ggacaagagc aagagcacac cttgtcccca ctttctccag 180
 agcagccaga acccacctca ggtgccttcc ccattccggtg cagttaaggc acttctgcc 240
 gcaccatggt atgagcacta gacttggagt taagatttga gagccccctc tgtcactgtg 300
 gaagcttgag catgttgctt gatctctctg aaccttgtgt ttctcatctg tgaaagggtga 360
 taatgtgggg ctgctgtgag atttaaagga cataatgcac ctacgggtcca agcactgcct 420
 ggaatacagc anaagctcaa cagatactgg acaacccatc cccttagtag aggcactaac 480
 catgtgaccc aaggcaaaag tgcttaaaaa aa 512

<210> 171
 <211> 580
 <212> DNA
 <213> Homo sapiens

<400> 171
 attgcatgca agtttgctga gctgaaggaa aagattgatc gccgttctgg taaaaagctg 60
 gaagatggcc ctaaattctt gaagtctggt gatgctgcc 120
 aagcccatgt gtgttgagag cttctcagac tatccacctt tgggtcgctt tgctgttcgt 180
 gatatgagac agacagttgc ggtgggtgtc atcaaagcac tggacaagaa ggctgctgga 240
 gctggcaagg tcaccaagtc tgcccagaaa gctcagaagg ctaaatgaat attatcccta 300
 atacctgcca cccactctt aatcagtggt ggaagaacgg tctcagaact gtttgtttca 360
 attggccatt taagtttagt agtaaaagac tggttaatga taacaatgca tcgtaaaacc 420
 ttcagaagga aaggagaatg ttttgtggac cactttggtt ttcttttttg cgtgtggcag 480
 ttttaagtta ttagttttta aaatcagtac tttttaatgg aaacaacttg accaaaaatt 540
 tgtcacagaa ttttgagacc cattaaaaaa gttaaatgag 580

<210> 172
 <211> 541
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (188)..(188)
 <223> n is a, c, g, or t

<220>

<221> misc_feature
 <222> (538)..(538)
 <223> n is a, c, g, or t

<400> 172
 gcaacctgca caaccccgcc ctgttcgagg gccggagccc tgccgtgtgg gagctggccg 60
 aggagtatct ggacatcgtg cgggagcacc cctgccccct gtcctacgtc cgggcccacc 120
 tcttcaagct gtggcaccac acgctgcagg tgcaccagga gctgcgagag gagctggcca 180
 aggtgaanac cctggagggc atcgctgctg tgagccagga gctgaagctg cgggtgtcagg 240
 aggagatatc caggcaggag ggagcgaagc ccaccggcga cttgcccttc cactggatct 300
 gccagcccta catccggccg gggcccaggg aggggagcaa ggagaaggca ggtgcgcgca 360
 gcaagcgggc cctggaggaa gaggaggggtg gcacggaggt cctgtccaag aacaagcaaa 420
 agaagcagct gaggaacccc cacaagacct tcgacccttc tctgaaccaa aatatgcaaa 480
 gtgtgaccag tgtggaacc caaagggcaa cagatgtgtg ttcagcctgt gccgcggnntt 540
 g 541

<210> 173
 <211> 671
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (610)..(610)
 <223> n is a, c, g, or t

<400> 173
 ggaatagaat tttaaatagt aataactgct tgtttttttt gtgcaagtac ttttatacat 60
 aagataaaca aaaaccttac caccaaacat accaaaatgc acctctttca taagtgagtt 120
 actaagatct ctatacctgg aatatcatgt atgtttcatt tactggatgt ttacatttta 180
 ggaaggaaaa tagttttggt tattttaaca actgaatact tataaactgt tgttcctgga 240
 agttattttat tccataaaaa atttgttctt ttgtcatgaa ttataaattc ctaaataag 300
 accagaaagt acaaattgct gggaggaaga ataggcttta ttaatcaact gatgtcttga 360
 tttttctaaa tgggaagatt gctttatttt taacactaat tatgggagca gattcttagc 420
 aaacttcttt ggaaaagtta atgttatgat gtgcattagg ctgccccatc gtgtatataa 480
 atgaagcaga tttgattttt gtattcttac gtttctctgc tttgtagttg tggctgtact 540
 taaagaaata cagaatttca tatatttaaa aatgttttaa atgtgacca cagacattgt 600
 aaatggattn aaaactaaca tgaaaaatat tcaacctaaa agaattctta acttcacaag 660
 tgttttactt c 671

<210> 174

<211> 607
 <212> DNA
 <213> Homo sapiens

<400> 174
 cttgggttccg cgttccctgc acaaaatgcc cggcgaagcc acagaaaccg tccctgctac 60
 agagcaggag ttgccgcagc cccagggtga gacaggggtct ggaacagaat ctgacagtga 120
 tgaatcagta ccagagcttg aagaacagga ttccacccag gcaaccacac aacaagccca 180
 gctggcggca gcagctgaaa tcgatgaaga accagtcagt aaagcaaaac agagtcggag 240
 tgaaaagaag gcacggaagg ctatgtccaa actgggtctt cggcaggtta caggagttac 300
 tagagtcact atccggaaat ctaagaatat cctctttgtc atcacaaaac cagatgtcta 360
 caagagccct gcttcagata cttacatagt ttttggggaa gccaaagatcg aagatttatc 420
 ccagcaagca caactagcag ctgctgagaa attcaaagtt caaggtgaag ctgtctcaaa 480
 cattcaagaa aacacacaga ctccaactgt acaagaggag agtgaagagg aagaggtcga 540
 tgaaacaggt gtagaagtta aggacataga atttggtcat tgtcaciaag caaatgtgtc 600
 gagagca 607

<210> 175
 <211> 583
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (94)..(94)
 <223> n is a, c, g, or t

<400> 175
 gtcaccaaga gcttggtgtc aggttttcac ttgctattcg cagagatttt ttttaaaggc 60
 actatttgta gtgtttaaag ggtgaattta tcanaaggca taataatcat aaatgtgtat 120
 atgcctaata atagaacttt aaaaggcatg aagcaacact caaaaggatt aaaggagat 180
 catctcacc ctttcttacc aattgataga atgatctgat gaaaacagta aaataacaac 240
 agatctgaac actgtcaacc atcttgacaa atacttatgc ctagtgttcc attattggaa 300
 cactaaacat gtggaatgat ttatatccta ctgctcaagg tcatcaccaa ggtctaattg 360
 taaaatttca aaaaattgca acctcaggca taaatgggtt aatcgacatt tatagcacac 420
 acatgcaaca tgtaccagag attccttctt ttctatgaac atgggtacttc caccaagata 480
 gaccacattg tgaactataa aacaaatcta aaaacatttg aaatgaagga aattatataa 540
 aatatgttct cttgatctca atgaaattaa attaatacta tat 583

<210> 176
 <211> 549
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (417)..(417)

<223> n is a, c, g, or t

<400> 176

ctcatggcgg ccaatgtagg cccaaaactt cctcaagtca aactctccag gcccaccttc	60
tgcttcccg tgcatcaac aggccagct ttgacttgag aacagcctct gcaggccctg	120
ctcttgccct ccaggggctt tttccaggcc cagctcttgc ctcatggcag ctgccccagg	180
ccaaatttct gcctgcctgc cagcagcctc aacaggcaca gctcctccct cacagtggcc	240
catttaggcc caactcatga ctgtgaggcc atttccaggc ctagtgccctg cctcgtggct	300
gactcttgaa gcccaaaact tcctcaaadc agccttttgc ccaacttctg tctactgtcg	360
gactctacag gtcagcctct gcctcacagt ggaccctcca gaccagatg gtgtctnctg	420
tgcatcctc aggcgaagct cctgccttcc ggcagcctct ccaggcccag ctctcctgc	480
tccagccttc tctccaggct ctgaacttcc tcaggctctc ctctgttgtc caaggctgga	540
gtgtagtag	549

<210> 177

<211> 662

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (581)..(581)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (602)..(602)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (644)..(644)

<223> n is a, c, g, or t

<400> 177

tatatatgta atgcccttaa cctagtgttt ggcattgatc ttgctgaaag ggaagcttgt	60
gggtacagtg tcccctcaga agccaaagcc cagggaaggt cgcctgcca ggtcaggctc	120
ccagcgagtt tgtctgggga ggggccattc atacctccag gtcaggacag aggctcgggc	180
tgagggaacc ctacacaggt cctggaagca gatccttctc gcctaagcca gcaggacagc	240
tcaacaggaa gcatcttcca gccacgggag gagaggcagc accttttttg gaaccataca	300
gagctaagaa tggtgtgaca agtaatagat tctgtactgg caacccact tggtggagca	360

agttctagga aaagggggct gtccttgagt cagccatggg gtcagccaca cagtcaccgc	420
agctgctctt tggcaccggg cgctggaaag acctaggatg acacagcctg gaaagagctt	480
gggaaaagct catcttccac agaactacct gctataccag ccagggcagg tgcttattcc	540
cacaacagcc ctctgttgta ggcggcagtg ccatcctgaa ngtgccgtgg taccttctga	600
anaccagct gagggcctgt aatggcactt gcatgccaca tggnacaccc tttcccggtt	660
aa	662

<210> 178
 <211> 339
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (14)..(14)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (17)..(17)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (59)..(59)
 <223> n is a, c, g, or t

<400> 178	
accgcggccg cgtnaanaaa aaaaaaaaaa gaattccact tgatcaactt aattccttnt	60
ctttatcttc cctccctcac ttcccttttc tcccaccctc ttttccaagc tgtttcgctt	120
tgcaatatat tactggtaat gagttgcagg ataatgcagt cataacttgt tttctcctaa	180
gtatttgagt tcaaaactcc tgtatctaaa gaaatacggg tgggggcatt aataaagaaa	240
atctttctat cttaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa	300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa	339

<210> 179
 <211> 457
 <212> DNA
 <213> Homo sapiens

<400> 179	
ttagagaggt gaggatctgg tatttcctgg actaaattcc cttgggggaa gacgaaggga	60
tgctgcagtt ccaaagaga aggactcttc cagagtcatc tacctgagtc ccaaagctcc	120
ctgtcctgaa agccacagac aatatggtcc caaatgactg actgcacctt ctgtgcctca	180
gccgttcttg acatcaagaa tcttctgttc cacatccaca cagccaatac aattagtcaa	240
accactgtta ttaacagatg tagcaacatg agaaacgctt atgttacagg ttacatgaga	300

gcaatcatgt aagtctatat gacttcagaa atgttaaaat agactaacct ctaacaacaa	360
attaaaagtg attgtttcaa ggtgatgcaa ttattgatga cctattttat ttttctataa	420
tgatcatata ttacctttgt aataaaacat ttttccc	457

<210> 180
 <211> 658
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (11)..(11)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (128)..(128)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (135)..(135)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (177)..(178)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (199)..(199)
 <223> n is a, c, g, or t

<400> 180	
cgtctatttg ngtttcttct cacaattggt aagttctctg tattgattga tggctaagtt	60
tgattagtgt ttttctctag ttggtaatta tattctagta ttttatcatc ttattgttta	120
ctcaactnaa agtgncacag aagagttgcc aggtttctct ttgatatgag atctctnntt	180
gatttggaat gcaaatacana agtgtcatgt tttgaataaa gggaccagat gacttatagg	240
tattctttct ctaaataataa ctaaggtaag atttttgttt tgaggctactt aatctatata	300
agtggttaaag aatttacttg aatttctcca aattctcatg tctaaagtct gattgattaa	360
attcattctt ggtatttcat tttgaaaaga atgtagcttt agcaaaccctc tttgtataaa	420
tgcagtggga ttaagggtcat ttaaaaaatt gttatatcat tgtattttta aaatttacca	480
gttttatttt tctttttacc ctttagcccg gcctcagaaa gtgtgtttgt gtccatttct	540
cccagcgcac cctctgcata tctctaccca cttgtcataa ttcagcatcc agcagaggaa	600
aacaaagtgt tgcgtacagt tcctctacta gcagcatgcc tccccagga caagtgt	658

<210> 181
 <211> 452

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, or t

<400> 181
ttattgctga cataaaaatg gtgcacatcg gccagggccc aggatgaatc agccaatctg 60
caccatttat acatggaact ggagaacatt gtgccataa tcatttaata tatgccaaat 120
cttacacgtc tactctaaac tgctctaata aagtttcagt gaccttgagg gctaaagatt 180
gttctttctgg gtaagagctc ttgggctggt ttttcanagc agagttcttg ttgtgggtag 240
actgtgacta ggttcacagc ctttgtggaa cattccgtat aacggcattg tggaagcaat 300
aactagttcc tatgaaagaa ccagagctgg gaagatggct gggaagccag gccaaagtgg 360
gggcaacagc ttgcttctct ttctcttctc accctcagtt tgtatgggaa aatggagatg 420
tcctctccac tttatcccac gatattctaa tg 452

<210> 182
<211> 209
<212> DNA
<213> Homo sapiens

<400> 182
caggatatcg agaccatccc agacagcatg gtgaaactcc gtctctactg gaatacaaaa 60
agtttagccgt gtgtgggtggc acgcgcctct aatcccagct attcgggagg cttaggcagg 120
agaattactt gaacccggga ggcgaagggt gcagtgagct gagatcgac cattgcactc 180
caccctggcg acagagcaag actccgtct 209

<210> 183
<211> 541
<212> DNA
<213> Homo sapiens

<400> 183
cagccaaccc agaaggagcc agtctacaac tatgcctgat cctcctcatg gcaggccacg 60
aagcattgct gccatgtgtt gaattataaa acccacattg ctttttgaac cctgttgcg 120
gtaaaaataa ccaaattatc agtccttgga aaccaggca atcaagttag tacaaggtaa 180
agataagtat ggttttagagg agaaattatg ttcctgaact ggtgtccttt gatggcagcg 240
tcagccttgc taagtcagag tagagggagc agtgacctta ataagctttg gtgagcatca 300
tgtgcacgcg tgggtgggag tccctttcac tgatgctttt aaaagtgtt ttgcagaccc 360
tggaagggat cctccacaca tatgaggtgt gggacaggta ggccagagag gattagccct 420
gctttcgaga ctagaaatct acagtcctga aggagcagta attaatgggt acacctgtca 480

gggccagccc ccaggtctcc tggctttttc caggttttct gtctcacatg attttgcttt	540
t	541

<210> 184
 <211> 640
 <212> DNA
 <213> Homo sapiens

<400> 184	
ctttaatttt tcaagtgttt aaaaaacaat tttatactta agccagcctt gaagataagc	60
acaaaatttta ccagttttaca tttaaaaaac aaacaaaaaa cgacaacaac tcaagcaccc	120
gctctgtgca tagcactatt ctaggtgcaa taaaagggaa tcttaacctt agaaatatga	180
gttcactttc tggaattgta ttatctcctt ttccagagag taaaaataaa taaaatcacc	240
attgtttact acagatctgc cccaaaccac atctggttca cagaaaggct aatttctgcc	300
aaattaaaga tgtaatgaac tcagttcctg ctttcccaa aacacgaaag cagaattcct	360
tttactgaa aaaaataaac agttttccat gcaagggcag ttgcttcta ataagtattt	420
tttaaaaaat ttttttttcc tctagctttt ctttaaattt tcttcctcta atattgcctt	480
ttcttgtaca aggcagacca ggtatctttt tatgctgttt ttcctttact aagaaaagta	540
ttgcatcttg aagacaaacc atttccaga gtagtataaa aaaataacac taaaaaaact	600
ttaaagggtga gtcacttcat caccttgatg aagtaaaaaa	640

<210> 185
 <211> 633
 <212> DNA
 <213> Homo sapiens

<400> 185	
ggaaaaaata tttccactta gatattttac atggttttgt ttaaaattac cattacttgt	60
tttttaaaaa cacatgacca catatgtata tgtatatcta cctaaacatt gtatcatggt	120
ttcagtatgt tattcatgta ttactgggag atgctaccaa gaaaccaacc caaagaaaat	180
tctggaaaat acatttctat ttatagaata aatgtttcat ttatataaaa gcaaaagaac	240
ttagagttct aataaatggg atgtctaata aattatgaag ttactgattt gaatatatta	300
tatttttata acttccttgc caaagtcctg atttagtaca ttagagaacc tgtgtttcct	360
ctctcctcta ccattcatct ctcttccata cagtcatttg ggctttttac tcaaagagaa	420
tcaagaaata ataaggata acaagcttgg caaagtgttg gcttttttaa aaaaaatttt	480
tttaatctct agcagtttgg taatttagca gcatcattta tttgggattc ttttatctga	540
tttcaacagt gaaaaacatc cctatgataa agcctaata cccatttcca aaagatggaa	600
ttgcccttcc tagaaaatat gacggagaaa agt	633

<210> 186

<211> 502
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (210)..(210)
 <223> n is a, c, g, or t

<400> 186
 cgaatagcca agtgggtctga caagatcgag agtaatgagg ccatactttt agtacagtct 60
 tgaatggcca gatgggtgctg ggcatacccc aaccagagat atgtaagtct ttatgtttgtc 120
 aaaatttccc agaaacatga atttcccact aagattcatt aaggaaaact agaatgaaaa 180
 caaaaacgtt ccttgtataa tattcattan aaagaaatga agaaggccgg gcatgggtggc 240
 tcacgcctgt aatcccagca ctttgagagg ccaaggtagg cagatcatga ggtcaggagt 300
 ttgagaccag cctggccaac atagtgaaat cccgtctcta ccaaaaatac aaaaaaatta 360
 gccgggcatg gtggcacaca cctgtcatcc cagctactca ggaggctgag gcaggagaat 420
 tgcttgaacc tgggaggtgg aggttgcagt gagctgagat tgcaccactg tactacagcc 480
 taggtgacag tgcaagactc tg 502

<210> 187
 <211> 316
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (55)..(55)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (305)..(305)
 <223> n is a, c, g, or t

<400> 187
 cctatgccaa actaaagaaa gcttgccctgg cctacaggcc taaagggttca aatgnggatt 60
 aaaaaaacac agtagtcaca taaaatgtct gctggctggc tggaattcca tcacctacaa 120
 ttacctgct ttcaaaaact gtgttcaaca ttgagaaaac agaaaaccac ttatcttgag 180
 cttaatatgg gcttcttttt ccttaactgt agaacactta ctgaaatatc aaatcaatgg 240
 ttaggatatg tatcctaggc aggcctaaac cattaacact tggtttaagc aactttgtat 300
 aattnacctc ctaaat 316

<210> 188
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 188
cttcatgagt gcccggttgc ccaagtcaaa aacctgggag tgatataaac tccccacaca 60
tccagtcagt cactcatcaa ctctattgat tctgctgcta aatataatctc aattgtatta 120
acttaaacad atgcataata catcttcttc ttactgcat ttttgtgggc tgcacttacc 180
tttcaggtaa caacaacact ggccccctctt gcccttctag tcagaagtgc caaaatgatg 240
agagctagcc atgacaaacc cacagccaac attacactga atgtgcaaaa ctggaagggc 300
atccaaacag aggagg 316

<210> 189
<211> 644
<212> DNA
<213> Homo sapiens

<400> 189
tagaattctc gcctgccttg gcttctccct ctagttgttc cttctctgtc ttctgtgggc 60
ttcttattgt ctgctcactc cttcttcagt gtcctctcat gggcttcctt cccttctcag 120
ctgatgccat cacctgggga atcacagtta ctcagcagca ctggggcctc tctatctcta 180
tgctggtcat gcctatgtgt gagctgcaga ccagtgga tttccatttg tgcattccat 240
gcccagccca ccctccacca gcctcgaatg cagctgttca gccctacccc agtcctcaga 300
aaagttcctc tccctggatc ctctttttcc ttcatgagtg cccggttgcc caagtcaaaa 360
acctgggagt gatataaact cccacacat ccagtcagtc actcatcaac tctattgatt 420
ctgtctgcta aatataatctc aattgtatta acttaaacad atgcataata catcttcttc 480
ttactgcat ttttgtgggc tgcacttacc tttcaggtaa caacaacact ggccccctctt 540
gcccttctag tcagaagtgc caaaatgatg agagctagcc atgacaaacc cacagccaac 600
attacactga atgtgcaaaa ctggaagggc atccaaacag agga 644

<210> 190
<211> 631
<212> DNA
<213> Homo sapiens

<400> 190
ctgaggtggg aggattccac tctcacccat ttcttctttc attttcagtt tctccagtta 60
gtaactgaag atgttctttg agtaattaag tgagtgaaga aatttttaag tgagaaatct 120
ataaaaagaa ccatgttaac ataaatattt cagtccttac aagttggtat tgacttttct 180
cattggtaat ctgactgatt taatactgct cattccaata tctggtgatg taattctggt 240
tatgaatcct tgtattaata acacctctg ggaggttttt tttccccaac attacattca 300
gaatattaga gctgaaaata ctttttttaa gggtatcagg aggaggagc ttatgtttta 360
tgtggtggat aaaacttaac tgctggttaa tacaattgtt attcaggtga aattccctaa 420

acttttcacg tgcaaagttt tgtatgtata cagacatttg gggaaaagtt ttatcatccc	480
taaaaccggt tactgtccag aaaatgataa gaatccctgg gttccaaatc cttcataagg	540
tattttattca tttattttatt caacacattt actcaatgcc tccgctctgc tgcaactaca	600
ctgacattct gcttctaatac taaccgaaaa t	631

<210> 191
 <211> 638
 <212> DNA
 <213> Homo sapiens

<400> 191	
tttcaaattg tacaataaca caaacaactt tgttaaggcc atgttttatt tgctgattaa	60
tggaacaaaag gcaatgtaat ttatttttcaa gtatttttctt gaaagtctgt gctcataaaa	120
atcatgaaaa gttggaaaga ctgttaaatac actgaaactt caaatatatc ttacacaatc	180
ttgtttgtac aaaaatacaa gttaaataata aacataaagc aatcatggta attttatgca	240
aatctgtttt atgtgatcat cagttatata taaaagtttc tcagttctgt tatttgtgaa	300
aagatcaata ccagattgaa tgactaccta ttggcaaagg gccctaaaaa gcttacttta	360
gcactcatct ttacatggt taaatgcatt tcctaatttg agatcaccta aacactggaa	420
aagaaaaaaaa atgaaagggc agtatgtcca taaaccaaca aataatttgg ctgtaatgta	480
tcataaaaaca caaacccac acatctgtac aataaacatt atgtattaca tacacacaac	540
acacaccag tcataaagcc taatgatgtg ctgcttccag ttcaatattc agctgtgcat	600
tttttcttat ttcatacaat gaatagcttt ttgtcacc	638

<210> 192
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 192	
gtaaactgtt ctctccgagg gaaaaaatgg aagttatcct cacagttcac tgccgtggta	60
tttcttctgt cccatgcttt gcatgactgc catggtacag ctttgtttca aactgttcac	120
tgtgatctgt ggggtctttga gtttcagtga gtttgctgaa atgtcgaaga agtagttcca	180
aacttcaatg ttcaatgaaa tttttgttca agtttgaaat ggagagagca gctttaaaag	240
gtactaagcc ttttataaat tggtagtagt tggcacatga gat	283

<210> 193
 <211> 613
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (68)..(68)

<223> n is a, c, g, or t

<400> 193

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tttttttttt tccttaaaag gtaacccta aacacagcta aaactatgcc atcagctgac 60
tccaaggnac acacagtcct gtatctggaa ctactgagtg gcaggcatct ttctctgcct 120
ctgacagtgg agtccccatc actgcagagc atagccaaag gagtcaaagg tctcagcggg 180
tcaactgcctt atcaaccctc accagtcctt tatgtttttt aatattttat aatcttgaca 240
tgacaccaag atgctttaat aaaaaagcac ctctaactcg gtcttgtatt cacttacctt 300
gagcctggga cttctctagg ctcctgaggc aaaaacaggt agaggggaga tgggtggaaca 360
taaaacacaa ttttgcttgg caccacctt ggcgtctgtc cccatgacca ggtctttcaa 420
ttcgatgatt ttgtcattga tggaggagcg atatcgtttc tcaatgatat tatgggttgt 480
ccgcctttct ctttctttgg ggggctcaag ctgcttgact ccccaggta cctgcttaat 540
ggggcacttt ctcttgcccc atcattacag gcattgtggt cagaatggtc ccactgctgc 600
ccaccagggt cta 613
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<210> 194

<211> 350

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (261)..(261)

<223> n is a, c, g, or t

<400> 194

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ctagtctttt catagtctgc atagagtctg gccattacca tcagttttta agatgtccat 60
attgtggccg ggcgcggttg ctcacgcctg gtagtcccag cactttggga ggctgaggca 120
ggtggatcat gaggtcagga gatcgagacc atcctggcta acacggtgaa acccgtctct 180
actaaaaaaaa atattaaaaa attggccagg cctgggtggtg ggcgcctgtg gtcccggctg 240
cttgggaggc tgaggcagga naatggtgtg aacccggaag tcggagggtt cagtgagcca 300
agattgcacc tgggcaacac agcgagactc cgtctcaaaa aaaaaaaaaa 350
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<210> 195

<211> 541

<212> DNA

<213> Homo sapiens

<400> 195

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caattattta ttacctttcc atttgttcgc ctgatgatgt gacaatgcat ggtctttgtg 60
catgctgcta gacacttttc tttcccagcc gaaaagtcta ttatgtaatt tttacattca 120
taattttaat gtggatgatc aggattaaat caagatatat atctggaacc tcttataaat 180
ggagcactta gaaatttggt gttctgcact taacctagag agagaaaaaa tgcttttctt 240
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tgtgaaaaat ctgaattcct gtcctgacct tctgtgatgt ggaaacccta ggctctgaga	300
cacactctct ggtgtctgag acagaaccaa agcaataacg ttgtgatgcc cacaggcctg	360
gagccagcta gcgaccttgt gccgcccagc tgtccatggc ccgtgcagag cagaggacag	420
tgagtgtctg cactgagaac cttaaaccac agttgaacat acccacacct gtttgtctta	480
agctatagtg taaaaacaaa gtttgggctc tgaaaattta actgaaaaag atttccttgt	540
t	541

<210> 196
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 196	
gtggcagcag gcgcagccca gcctcgaaat gcagaacgac gccggcgagt tcgtggacct	60
gtacgtgccg cggaaatgct ccgctagcaa tcgcatcatc ggtgccaagg accacgcac	120
catccagatg aacgtggccg aggttgacaa ggtcacaggc aggtttaatg gccagtttaa	180
aacttatgct atctgcgggg ccattcgtag gatgggtgag tcagatgatt ccattctccg	240
attggccaag gccgatggca tcgtctcaaa gaacttttga ctggagagaa tcacagatgt	300
ggaatatttg tcataaataa ataatgaaaa cctaaa	336

<210> 197
 <211> 377
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (128)..(128)
 <223> n is a, c, g, or t

<400> 197	
cagcagcaga aatgttttgca agataggcca aaatgagtac aaaaggctctg tcttccatca	60
gacccagtga tgctgcgact cacacgcttc aattcaagac ctgaccgcta gtagggaggt	120
ttattcanat cgctggcagc ctcggctgag cagatgcaca gaggggatca ctgtgcagtg	180
ggaccacct cactggcctt ctgcagcagg gttctgggat gttttcagtg gtcaaaatac	240
tctgtttaga gcaagggtc agaaaacaga aatactgtca tggaggtgct gaacacaggg	300
aaggctctggt acatattgga aattatgagc agaacaaata ctcaactaaa tgcacaaagt	360
ataaagtgtg gccatgt	377

<210> 198
 <211> 63
 <212> DNA
 <213> Homo sapiens

<400> 198
tactcaatga aaaaccatga taattctttg tatataaaat aaacatttga aaaaaaaaaa 60
aaa 63

<210> 199
<211> 565
<212> DNA
<213> Homo sapiens

<400> 199
caggatcaag gtgaaaagga gaaccccatg cgggaacttc gcatccgcaa actctgtctc 60
aacatctgtg ttggggagag tggagacaga ctgacgcgag cagccaaggt gttggagcag 120
ctcacagggc agaccctgtg gttttccaaa gctagataca ctgtcagatc ctttggcatc 180
cggagaaatg aaaagattgc tgtccactgc acagtctgag gggccaaggc agaagaaatc 240
ttggagaagg gtctaaagggt gcgggagtat gagttaagaa aaaacaactt ctcagatact 300
ggaaactttg gttttgggat ccaggaacac atcgatctgg gtatcaaata tgaccaagc 360
attggtatct acggcctgga cttctatgtg gtgctgggta ggccaggttt cagcatcgca 420
gacaagaagc gcaggacagg ctgcattggg gccaaacaca gaatcagcaa agaggaggcc 480
atgcgctggt tccagcagaa gtatgatggg atcatccttc ctggcaaata aattcccgtt 540
tctatccaaa agagcaataa aaagt 565

<210> 200
<211> 629
<212> DNA
<213> Homo sapiens

<400> 200
cagaagagta agcaaatttc aaagcagcga aagggaagaa actaaaaaag gtagagcaga 60
aataagagaa aatagagaag agaacaattg agaaaaataa ttgaaaccaa aagggtggttc 120
tttgaaaagc ctaacaaaat ggacacatct ttagttagag tgaccaagaa aaaagggcag 180
tgactcagat tacttcattc aagagtgaaa gagggcacat cactaccaat ttacagaaat 240
aaaaaggatt atgaggaaat actacagata attgatgaca ttaacttaga agaatatatt 300
tcaagaaaga cacaaactac tgaaaccgac tcaagaagaa acagaaaatc tgaacagacc 360
tataaaaaat agagatttaa ttgatattca gaaagtttcc caaaaagaaa agcactggcc 420
aagatgactt cactggtgaa ttctatcaag tgtcaaagat gaattactga cattcattca 480
cactccttta agaaatagaa gaggggacat cacttttcaa agcatcgaca ttctaatacat 540
tagtccttg gtttcctgct cccaaagcca ggtgatgtat cacaaaaaaa cccctacaga 600
cccactgggc acaatggctt tatgcctat 629

<210> 201

<211> 98
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (13)..(13)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (35)..(35)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (68)..(68)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (91)..(91)
 <223> n is a, c, g, or t

<400> 201
 ctttgctcga atngtcagat aaggattctg tgaanggaga tgagatttcc atccatgctg 60
 actttganaa tacatgttcc cgaattgggg nccccaaa 98

<210> 202
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 202
 ctcaagtgtt ccctcagctt aggcctttgtt taaatgatcc caccagggg cgatggtagg 60
 gaacaacagg gtcactaaac tatttggtg gctacaactc tgggaaatgg taagacaggg 120
 aaaggccatg ttgttcattc ctttgtgcag atctagggag aaccgcagag agaacagtta 180
 gcatttcttg ttcaatgaat tctcctatta agaacactgg atgt 224

<210> 203
 <211> 81
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (4)..(4)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (70)..(70)
 <223> n is a, c, g, or t

<400> 203
 cggnccggt cgacgtact cctacctatc tcccccttta tactaataat cttataaaaa 60

aaaaaaaaan aaaaaaaaaa a

81

<210> 204
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<400> 204
ggcatgtgcc tgtagtccta gttgctgagg taagaggatt gcttgagccc aagagttcaa 60
ggctgcaaca agctttgatt gcgccactgc actccancct tggcgacaga ctaaaacgct 120
gtctcaaaaa aaaaacaaaa acgacnaaaa aaaaacaaaa cagaaaaaat taacttaggc 180
aatgacagtc cctggcaaat gctgggaggg aggcaacant ggtcaaggaa ggtaaccctg 240
aancaggact tgtaaagcaa ataanattgg gaggccaagg tgggtggatc acnaggtcag 300
gagttcgaga ccaacctggc caacatagtg aaaccccgtc tttctaaaaa tacaaaaaaa 360
tt 362

<210> 205
<211> 581
<212> DNA
<213> Homo sapiens

<400> 205
gacaaaagaa ccatttgatg acataggtat ggtctgagct atgatatcaa ttggcttcct 60

aggggtttatc gtgtgagcac accatatatt tacagtagga atagacgtag acacacgagc	120
atatttcacc tccgctacca taatcatcgc tatccccacc ggcgtcaaag tatttagctg	180
actcgccaca ctccacggaa gcaatatgaa atgatctgct gcagtgtctt gagccctagg	240
attcatcttt cttttcaccg taggtggcct gactggcatt gtattagcaa actcatcact	300
agacatcgta ctacacgaca cgtactacgt tgtagctcac ttccactatg tcctatcaat	360
aggagctgta tttgccatca taggaggctt cattcactga tttcccctat tctcaggcta	420
caccctagac caaacctacg ccaaaatcca tttcactatc atattcatcg gcgtaaatct	480
aactttcttc ccacaacact ttctcggcct gtccggaatg ccccgacgtt actcggacta	540
ccccgatgca tacaccacat gaaacatcct atcatctgga g	581

<210> 206
 <211> 595
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (13)..(13)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (17)..(17)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (121)..(121)
 <223> n is a, c, g, or t

<400> 206	
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tttccaattt tctttcgctt ggattttacg tgataagttt tttcccccat tttactttta	120
ncaactctat attttttagt tgaggttggg tttcttgtaa acagcatata atttgggttt	180
tttaatccaa tctgaaaatt aatgtcctta attttgtgtt tataaccattt acacataatg	240
tactcatata taaggtttaa ctgaaaccta ctatcttgct agttgtgctc tacttgaatt	300
tttttttagt attctgtttt aattgaccaa catttgactg tatctctttg tgtaattctt	360
ttacaggttg ctgtaggcat gacaatatat acacttaact tttctcagta cactgagagt	420
tgaaattgta gtacttcgag gaaaacatag aaaacttgca atgatatcgg ttacatttta	480
ccacctccat atgttgcaat tattaaatgt attagatctg cctacctga aaacccatca	540
gtcttttaac tttgctctca atgggtgattc atatttttaa aaaaacttga ggcaa	595

<210> 207
 <211> 522

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (504)..(504)
<223> n is a, c, g, or t

<400> 207
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ccttttttga accaaaaggg agggatttga caatattgat ggtagatctt ttttcttttag 120
caagaattaa ggatttttggg ggggtgggggg aggccttctgt ggggaccaag acaatgtact 180
gtcagtcagg atttaagtcg aactacctca tcccttgccc cagagaacag ttgatcgtgt 240
tttaaaccaa aaggtgcgga atggagagag ggaggcggtg cattgcagct tccgatagag 300
ctttttatct ttggatatca ggaaccaatt ttgaagattt cttaagaaag tcattttacat 360
cagggacatg aagagcaaag taggtatttt tggtcagtag ttgaatttga taggcctttat 420
gcaaacaact ctccctctgc tggagtctgg caagtttgct tttcactgga cgctaattca 480
agtgccatac aaaactaaaa taanagtttt acttataaca ca 522

<210> 208
<211> 585
<212> DNA
<213> Homo sapiens

<400> 208
cagaaatcgc aattgaagac cagatttgtc aaggtttgaa actgacattt gatactacct 60
tctcaccaaa cacaggaaag aaaagtggta aaatcaagtc ttcttacaag agggagtgtgta 120
taaaccttgg ttgtgatgtt gactttgatt ttgctggacc tgcaatccat ggttcagctg 180
tcttttggtta tgagggctgg cttgctggct accagatgac ctttgacagt gccaaatcaa 240
agctgacaag gaataacttt gcagtgggct acaggactgg ggacttccag ctacacacta 300
atgtcaatga tgggacagaa tttggaggat caatttatca gaaagtttgt gaagatcttg 360
acacttcagt aaaccttgct tggacatcag gtaccaactg cactcgtttt ggcattgcag 420
ctaaatatca gttggatccc actgcttcca tttctgcaaa agtcaacaac tctagcttaa 480
ttggagtagg ctatactcag actctgaggg ctggtgtgaa gcttacactc tctgctctgg 540
tagatgggaa gagcattaat gctggaggcc acaaggtttg gctcg 585

<210> 209
<211> 624
<212> DNA
<213> Homo sapiens

<400> 209
gacacacgag catatttcac ctccgctacc ataatcatcg ctatccccac cggcgtcaaa 60

gtatttagct gactcgccac actccacgga agcaatatga aatgatctgc tgcagtgtct	120
tgagccctag gattcatctt tcttttcacc gtaggtggcc tgactggcat tgtattagca	180
aactcatcac tagacatcgt actacacgac acgtactacg ttgtagccca cttccactat	240
gtcctatcaa taggagctgt atttgccatc ataggaggct tcattcactg atttccccta	300
ttctcaggct acaccctaga ccaaacctac gccaaaatcc atttcactat catattcatc	360
ggcgtaaadc taactttctt cccacaacac tttctcggcc tatccggaat gccccgacgt	420
tactcggact accccgatgc atacaccaca tgaaacatcc tatcatctgt aggctcattc	480
atttctctaa cagcagtaat attaataatt ttcattgattt gagaagcctt cgcttcgaag	540
cgaaaagtcc taatagtaga agaaccctcc ataaacctgg agtgactata tggatgcccc	600
ccaccctacc acacattcga agaa	624

<210> 210
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 210	
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acacatttaa ttcagtttct cttccctaag aggctgccgg agttggggcc tcctccagca	120
gagaccctcg gaccctgca gggcctggac ttgggggtgaa cagggcttca gtcagcgcaa	180
gtattccatt tgcatttggt aatttttcat gccacctatt tatgaatata taaatcttta	240
taccaaattc atttttttaa acatggaaaa gttgccttta tggaaacttg gcagagccag	300
agtggtacaca ttcctaaacc attaaacaga tttctata	338

<210> 211
 <211> 556
 <212> DNA
 <213> Homo sapiens

<400> 211	
ggataatgat acctctgacc tttcttcctt ttgggaagta cttgagtgtg cagctgcatg	60
aggcctcagc aggagagaga ttttaggtcc aagaagctat accagtagga caaggcagga	120
aaatactaca ctttcaggat caagcccctc tgactctcat ttggaaactg gatgtttgct	180
aagcacctgc ttcttaagga tgccgaggga tttaatgata ctcccagaaa cctggagaga	240
ttaatggggc ctatggagaa gtgctctgaa ctcagtgttg ggacttgaat aaaattaacc	300
attgtcatgt tttcagaaca actaagctgt tttatatattc atgtgcatga aagccctaga	360
actaagttgt gttattttcca gaaatgaaat agatcccaca gttagatgat gtggccatta	420
ggaagtacca aattttataaa aatcactgga ggtctgtctg agcagtacct aataaaatat	480
agtatactga aagtgaacag atctttgtct ctttcttttg ctgcttgata ctttatctgt	540

gtctgccgga cagtgc 556

<210> 212
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 212
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 ttaagtatta ccattatggt gctactgagc gttttctttt ggtaaaaaga aaaatgccat 120
 gggctgcagt cttcttccat cacttttccc taccagggtcc attaatatgc ttataacact 180
 agtgccagtt attttatttg ataatgctta tgggtatttgt atatttgttt gcattccaat 240
 tttgtttaat aatgagtgtg taaactgcat acgttaaata aatgtaaata ctaatgtact 300
 gctgc 305

<210> 213
 <211> 495
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (55)..(55)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (335)..(335)
 <223> n is a, c, g, or t

<400> 213
 ttttattacc caagtttta cctctgtctg gtgatttggt gttgttggtg ttgtngttgt 60
 tgttgaagtt caggctgcat gtgggatagg tttgctcagg catacttctt aggaagtagt 120
 cacttgcatg actgtttttg ggataactct ttgagtatct ggagagggtct attgtaactt 180
 ctgaaaggca ttgtttttac gtatgaatgt tctaaaattc attctaaatg gtcataaaaa 240
 gaaaaggatt cacatttttag aatggcaata gtccctgagg actattatgt ctttttagatt 300
 tcctgtgggt ttctaggaat gttagtgtta cttanatttc cacctacctg atttctggat 360
 gtgcctattg gaacttgctg agatcttttt ttttccttaa catgttggtc ctttgacctg 420
 tacttcgaaa ctaaacaatat tattttatct gcttacactt caggaggcaa ttggcagaca 480
 ccaggccaac agtct 495

<210> 214
 <211> 507
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (437)..(437)
 <223> n is a, c, g, or t

<400> 214
 gctctgaccc cagttggaaa tgtatctgta ctttgtccgg cttccactca aggaccattt 60
 atgacattgc ttggtgtcag ctgacagggg ctctggccac agcttgtggg gatgacgcga 120
 tccgcgtggt tcaggaggat cccaactcgg atccacagca gcccaccttc tccctgacag 180
 cccacttgca tcaggcccat tcccaggatg tcaactgtgt ggcctggaac cccaaggagc 240
 cagggctact ggcctcctgc agtgatgatg gggaggtggc cttctggaag tatcagcggc 300
 ctgaaggcct ctgagctacc tcgacttttg acagagtaat gactccccag aaaacgtcat 360
 ataagacttt accagcccct gagaggacca ggaggagcat ccttgacctt catttaactt 420
 ggctcacttc tcttcanact tgggtagaag tgcagagcca caaaattgct ttccttcccc 480
 gcctttgaca tgaggccttc agtaaag 507

<210> 215
 <211> 17
 <212> DNA
 <213> Homo sapiens

<400> 215
 tgcaggatcc gtcgact 17

<210> 216
 <211> 576
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (566)..(566)
 <223> n is a, c, g, or t

<400> 216
 gagaaatata agattatgta tagatcaaat ctacctctat ttggtgtcct gaaagagatg 60
 aggagaatgg gacaaacttg gaaagcttat ttcaagataa cattcctgag aacttcccca 120
 atcttgctag agaggccaac attaaaattc agtaaatgct gaaaactcca gtaagatatt 180
 tcttaagaaa attattccca agatatatac tcatcaaatt atctaaggtc aaatgaagga 240
 aaaaatttta taggcagcta gagagaaatg tcaggtcacc taaaaagaga atggcataag 300
 aaaaaagta gaactcccag cagaaactct aaaagccaga agagattagg ggccaatatt 360
 taacattctg aaagaaattc caacaaggaa tttcatatcc agccaaacta agcttcataa 420
 ttgaaggaga aataagatat tttccagaca agcaaatgct gatgaaatcc atcaccacca 480
 gacctgcctt ataagagctc ctgagggaag cactaaatat tgaaagggaa gaactttatg 540

aaccattttca aaaacacatt taagtnccaca aagcag 576

<210> 217
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 217
 ccttattttta caggtgaaaa accacgaatc agatagattt ttatttgccc aagtcacata 60
 atattaagaa caggccaagt gtggtggctc atgtctgtaa tctgagcact ttgggaggct 120
 aaggcgggtg gatttcctga gcctaggagt ttgagatcag cctgggcaac atggcgaaac 180
 ctcatctcta caaacatac aaaaattagt cagtgtggtg gtgagagcct gtagtcctgg 240
 ctactcgtga ggctgagggtg ggagcatcac ctgagcctgg gaagtcgagg ctgcagtggc 300
 aacagaatgg gtaacctgga catcagagtg agaccctgtc t 341

<210> 218
 <211> 494
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (439)..(439)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (484)..(484)
 <223> n is a, c, g, or t

<400> 218
 ctacacactg taattccatt actttggaag gctgagagag gaggatcagt ggagcccagg 60
 agtttgagac cagcctgggc aatataggga gaccctgtct ctacaaaaat gaaatagcca 120
 ggcgaggtgg catgtgcctg tgggtcccagc tacttgggag actgaggtgg aaggctgcct 180
 tgagcccagg agttccaggc tgcagtgagc catcattatg cactgcact ccaacctggg 240
 agacagagtg agagagaccc tgtctcaaac aaacaaaccc aaaataggcc aggcacagtg 300
 actcatgcct gtaatcccag cactttggga ggctgaaata ggcggatcat ttgaggtcag 360
 gagttcaaat tcaagaccag cccggccaac atggcaaac cacatctcta ctacaaataa 420
 aaaattagtt ggggtgtgng gagcattcct gtaatcacag ctattcagga ggctgaggca 480
 tganaaccgc ttca 494

<210> 219
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 219

taaattttaa	acattttaat	tagctggcat	gatggcatgc	acctgtagtc	ctacctactt	60
gggaggccaa	ggcaggaaga	ttgcttgagc	ccaggagttt	gagcttactg	tgagctgtga	120
tcacaccact	gcactccagc	ctgggtgaca	aaggaagacc	gtattttctaa	aaaataaaaa	180
atacaaatac	aactacaaac	tagcactaga	ccaacagtga	ctatgtacca	tgaactgagg	240
aatattatta	attccaccat	ttgcatctga	ggttaacaat	atgtcaatga	cttaaataac	300
atcatatctc	tgagagtaat	ttctcctata	tttccatgac	aaatgttaga	taattttcca	360
ttttttccat	tcaacaaaa					379

<210> 220
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 220						
ttttcaggca	tgtcagagaa	gggaggactc	actagaatta	gcaaacaaaa	ccaccctgac	60
atcctccttc	aggaacacgg	ggagcagagg	ccaaagcact	aaggggaggg	cgcatacccg	120
agacgattgt	atgaagaaaa	tatggaggaa	ctgttacatg	ttcgggtacta	agtcattttc	180
aggggattga	aagactattg	ctggatttca	tgatgctgac	tggcgttagc	tgattaaccc	240
atgtaaatag	gcacttaaat	agaagcagga	aaggggagaca	aagactggct	tctggacttc	300
ctccctgata	cccactctta	ctcatcacct	gcagtggcca	gaattagggg	ctcagaatca	360
aaccagtgtg	aggcagtgct	ggctgccatt	gcctggtcac	attgaaattg	gtggcttcat	420
t						421

<210> 221
 <211> 598
 <212> DNA
 <213> Homo sapiens

<400> 221						
gattaacttt	cattttaagc	tcttctctac	taattctgtt	cgtatgttta	ttcattttgc	60
gttgatcata	ttttgtacac	caggcactct	tctcagtttt	atatgtgtgt	taattttactc	120
ctttcaagag	ccctatgata	catgaattta	tctccatttt	atagatgagg	aaattaagac	180
ctagagttac	tgaacttgcc	caaggttata	cagctgatgg	gtagggccag	aactttgcct	240
cagagaatct	gaattttcaa	aaaataacct	aaaagagaaa	tttaagtact	aattagtaag	300
caaagaaatg	cacattttaag	gaagacagtg	cacattttaag	gaagacagta	accttttatc	360
tattagagaa	aaacacacat	tctgtcttta	acacacacat	aaatcttata	ttggcagggg	420
ttttctttat	tcagcaatta	tttattgggt	gtctgctttg	tggtacacat	aaatgctggg	480
gataaacact	taataaaata	tacttccttc	tcttgaatat	cttgcacttt	aagtgggaag	540
gtaagtcaac	agagtagagg	tgatatatcc	aagtgataga	ctgtttcatt	gccagtag	598

<210> 222
 <211> 473
 <212> DNA
 <213> Homo sapiens

<400> 222
 gttgcctgag agtgaccttt gcatctgcct gtccagccag catggaacca aagcggatca 60
 gagaggggcta ccttgtgaag aaggggagcg tgttcaatac gtggaaaccc atgtggggtg 120
 tattgttaga agatggaatt gaattctata agaagaaaag tgacaacagc cccaaaggaa 180
 tgatcccgt gaaagggagc actctgacta gcccttgtca agactttggc aaaaggatgt 240
 ttgtgtttta gatcactatg accaaacagc aggaccactt cttccaggca gccttcctgg 300
 aggagagaga tgcctggggt cgggatatca ataaggccat taaatgcatt gaaggaggcc 360
 agaaatttgc caggaaatct accaggaggt ccattcgact gccagaaacc attgacttag 420
 gtgccttata tttgtccatg aaagacactg aaaaaggaat aaaagaactg aat 473

<210> 223
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 223
 tggtactgaa cctacgagta caccgactac ggcggactaa tcttcaactc ctacatactt 60
 cccccattat tcctagaacc aggcgacctg cgactccttg acgttgacaa tcgagtagta 120
 ctcccgattg aagcccccat tcgtataata attacatcac aagacgtctt gcactcatga 180
 gctgtcccca cattaggctt aaaaacagat gcaattcccg gacgtctaaa ccaaaccact 240
 ttcaccgcta cacgaccggg ggtatactac ggtcaatgct ctgaaatctg tggagcaaac 300
 cacagtttca tgcccatcgt cctagaatta attcccctaa aaatctttga aatagggccc 360
 gtattttacc tatagcacc cctctacccc ct 392

<210> 224
 <211> 618
 <212> DNA
 <213> Homo sapiens

<400> 224
 tttttcttgt ttttgtgtgt ctaccttggc atatactaaa ggaagggtgtg tattcattta 60
 ttacatgata tctctggggt ataattattt acatatatga atttgaaaga aagattgaga 120
 gggatatgtg tgacctttgt ttcattatga tcattttacat gactaaagat aaagatcata 180
 tgtctgattt tcagtttaat ggcaagttac ttaaaataaa tgaaatatgt ttttattggt 240
 ttcgtggggt tgatgctttg tgttttatgt caagtaactt gagaatgcat tgtgtttggt 300
 actgtttttt atgaatatca ttaaaaatgt atttaaggag agagtaatgt tgcaataata 360
 tttttgattt atttgaaaat aaaattcaag ataaatgaaa taattgaaat tttctaaaga 420

aggaattgaa tatatTTTTta catttgaatg aactaaggat taactgaacc atttatatat	480
agtactttca gaactgaatg tctttaatga taaagctcta attgggttaa gtgactttct	540
ttcaagtcaa agaaccaga aactgaatag atgatctaac tactgccact gaggttttgg	600
attagtgagt ataaattt	618

<210> 225
 <211> 17
 <212> DNA
 <213> Homo sapiens

<400> 225	
tgcaggatcc gtcgact	17

<210> 226
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 226	
gacaatcaga gcagatcttg ggcttctgtg gctcatctca gccctttata actggcctga	60
gaagaggggtt tatctacttg tgcaagtggc ccagaaatct cactcgtaca tgaggctttg	120
gaacatcctt gcaaaggtac gctgaaagca aattgctgtt ttcctggtgg ttctgcacgt	180
ttcctaactt ttatcatagt ttgattttca ttatttaaga aaaaataaaa aatccaaaga	240
ccataagatg gcattagatt ttttaccatt aaattattaa tgcctatttg gtgctcataa	300
agattaatca tgtcacgcat gtttccaatc tttcttttgc agtatattat tttctaaaaa	360
ttgtttacatg caaatTTaaa ccaagattta tcagta	396

<210> 227
 <211> 535
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (112)..(112)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (279)..(279)
 <223> n is a, c, g, or t

<400> 227	
ttggaagaaa taaaccaagg cagaaaaatt ttaaatggcc aaaataaatt gtattgctaa	60
cttagatggc cacagatggg ggcaggggtg gagagaggag aaattgaaaa cncacaaaag	120
accccgcaat ggctagaact tgaaatctct ggatattgca acaatagcag cctccttaag	180
tcagcaaaaa gataaagatt gatccaatgt tctatattac agaacagagc agattgtcaa	240

tatagcaa	at aaagtt	accg ttgagt	ggac tgcgct	gtnt aagctg	cttg gttggc	ctta	300
agtgcc	gaca atta	agagat gaaggc	aatg agaact	gaaa caaacatt	ta agttca	agac	360
ccagttt	tact gacact	ggga ctattact	at atctct	tttgg gcctcag	ttt acttat	ctgt	420
aacatta	aga ggttgg	atta catgat	gtct cacgatt	ctt ttttttt	att tagagat	ggg	480
gttttgc	tct gttgcc	cagg ctggag	tgca gtggcat	gat catagct	cac agcag		535

<210> 228
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400>	228						
ccagcct	gtc actggc	cctgg ccaagg	agga gagacag	gcc agggatt	ctg gtccta	actc	60
tactggc	cac actgtg	tggc ctgagac	ccc cctttcc	ctc ccaagcc	ct gcctcc	gcat	120
ctgctgt	ggtg aaggcc	attg gccctca	tgc gtggat	ctgc gtttcct	cgg gcctaca	ctg	180
tctaggat	tgt tgcggg	gctg gtgagag	aac aagatct	ctt ccgtgt	tcaa ggcagac	ttc	240
ctgcccc	ctg caccct	gtc tctccc	aggc cttgag	gtca gtgtga	gccc caaggg	caag	300
aacactt	ctg gaaggg	agag tggatt	tggc tgggcc	atct ggatgg	aagg taaaaaa	aag	360
aaaatcc	ctt gaaagg	agat tgaggg	aagt tt				392

<210> 229
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400>	229						
aagagaa	agg actcag	tgtg tgatcc	ggtt tcttttt	tgct cgcccct	ggtt ttttgta	gaa	60
tctcttc	atg cttgac	atac ctaccag	tat tattccc	gac gacacata	tata catatga	gaa	120
tatacct	tat ttatttt	tgt gtagg	tgtct gccttc	cacaa atgtcat	tgt ctactc	tag	180
aagaacca	aaa tacctc	aatt tttgttt	tttg agtact	gtac tatcct	gtaa atatat	ctta	240
agcagg	tttg ttttcag	cac tgatgg	aaaa taccag	tgtt ggggttt	tttt ttagtt	gcca	300
acagtt	gtat gtttgc	tgat tatttat	gac ctgaaata	aat atatttc	ttc ttctaaga	aag	360
acatttt	ggtt acataag	gat gacttt	ttta tacaat	ggga ataaatt	atg gcatttt	ttt	419

<210> 230
 <211> 622
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (551)..(551)
 <223> n is a, c, g, or t

<400> 230
 ctgagagtca ctgtgttttt agccaaatct aaggaggagaaa atgaatattg atagcagcat 60
 gctgtagcca gctccttaaa ggaaggatgg tgcctggtac agagtttagag ttagtgcttc 120
 agtaaataat gaatgtgtgc taggtaggtt ctgctgggta ggctgcatgc attgaccaat 180
 ttattcctcc ttgtttcaaa acaggattta agggcactta tatatatata ttttttagtt 240
 tttttaatgt aaatgagaga ataaagatat atatatatgt ctatatatgt atatatgtat 300
 atatatgtct atatgtctat atgtatatat gtctatatgt atatatgtgt gtgtgtatat 360
 atatatatat atatataagt tttctgttgc tagcataaca aactaccaga aacttagcaa 420
 ctgaaacaac atgaatttat cttacggttc tatagttcag aagtctaacg tgtcactggg 480
 atgaaatcca gggttcaaca ggactgggtt cccttctagc tcattcagct acctgggtca 540
 ttcaggttgt nggcagaata tacttccatg aaactgtagg gctgagaccc cgttccttcc 600
 tggctatcat ctgaaaactt tc 622

<210> 231
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 231
 aggcgcagcc cagcctcgaa atgcagaacg acgccggcga gttcgtggac ctgtacgtgc 60
 cgcggaatg ctccgctagc aatcgcatca tcggtgccaa ggaccacgca tccatccaga 120
 tgaacgtggc cgaggttgac aaggctcacag gcaggtttta tggccagttt aaaacttatg 180
 ctatctgcgg ggccattcgt aggatgggtg agtcagatga ttccattctc cgattggcca 240
 aggccgatgg catcgtctca aagaactttt gactggagag aatcacagat gtggaatatt 300
 tgtcataaat aaataatgaa aacctaataa aaaaaaaaaa aaaaaaaaaa 350

<210> 232
 <211> 493
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2)..(2)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (210)..(210)
 <223> n is a, c, g, or t

<400> 232
 tncactcaca cactcccaaa ccttaacaaa cacatacatg tgcagccaac ccaatgggcc 60
 agcctctttt atgctcctca catgtttcct ttaactggaa tacccatgac agctccctac 120

atagttacttt gtaaactcct cctctctgta taagttttcc tgaatttttt tgataaaatt	180
aagttgtgcc acccctttat gctctcttan aactttgttc tgttctcatg gctgttctgc	240
aacgaatctc atttgtttct cctactcaat tacattcctg cgtctccac tagatggcag	300
actctttgag agtaggagat tcccttgta tctctggatc cctggcactt gcagaaagcc	360
tgttacgtaa taattgctca acaattagtt tttaaataaa tgaattattt ttaaaacgcc	420
aaaattacaa tgattgtgca ttaagtgaag gatgaccatc taaaaacata aagccatgct	480
tcatgacatt ggc	493

<210> 233
 <211> 577
 <212> DNA
 <213> Homo sapiens

<400> 233	
gaccattcag ggaaatttta taaaaaatgc agatactgtc ttgagcagat cgaaatgccg	60
atgaggtgga tgcaatttcc ttttgtgcaa gcagtgcacg gtgccccccc ctcggtgtgc	120
cgtgctgtgc cttagcttcc ccaggtgccg ggactcacac ctgctagggg ctgggcaagg	180
ccccggctct gctttctctg aagggtttgt ccaagttcat tgccctgtta cagggtgggtca	240
agacgtccgg ccgccttgac ccaggctacc cttagccaat atcctctgcc cctgggtggt	300
tggtggctgg gcctcagggg gggcaacggt aggggtttgg cgaaagcccg ccccatggga	360
ttgagggacg gggctgcact ccaaccgtct gcacctgtc ttccccacc cctgtgggac	420
ctcatcttca cgtgccatgt gtgctgaagg ccagggccc agcagggggc agtggcacct	480
gttgacggaa aagccgaggt gcttaccaat ggaccttctg gcccgccctc ccctgtactt	540
gtcgggcatt caggggcccc acctgtgcct acccgca	577

<210> 234
 <211> 568
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (430)..(430)
 <223> n is a, c, g, or t

<400> 234	
caactgtgtt cactagcaac ctcaaacaga caccatggtg cacctgactc ctgaggagaa	60
gtctgccgtt actgccctgt ggggcaagggt gaacgtggat gaagttgggt gtgaggccct	120
gggcaggctg ctggtgggtc acccttgac ccagaggttc tttgagtcct ttggggatct	180
gtccactcct gatgctgtta tgggcaaccc taaggtgaag gctcatggca agaaagtgct	240
cgggtgccttt agtgatggcc tggctcacct ggacaacctc aagggcacct ttgccacact	300

gagtgagctg cactgtgaca agctgcacgt ggatcctgag aacttcaggc tcctgggcaa	360
cgtgctggtc tgtgtgctgg cccatcactt tggcaaagaa ttcacccac cagtgcaggc	420
tgcttatcan aaagtgggtg ctgggtgtgg ctaatgcctg gccccacaag tatcactaag	480
ctcgctttct tgctgtccaa tttctattaa aggttccttt gttccctaag tccaactact	540
aaactggggg atattatgaa gggccttg	568

<210> 235
 <211> 511
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (261)..(261)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (292)..(292)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (321)..(321)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (323)..(323)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (328)..(328)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (422)..(422)
 <223> n is a, c, g, or t

<400> 235	
ttttttaatt tcacaaaaat ttgttgacgt cccttgattt gctgataggg acaataatta	60
aatattttcc acttgttttt ataaaaactg taatggtgat ttgtttaaca gatgttgact	120
tagcaccttc tctctttttt tttttttttt tttgagttgg agtcttgctc tgtcacccag	180
ctggagtgca gtggcacgat ttcggctcac tgcaacctcc gcctcccagg ttcgggcgct	240
tctcctgcct cagcctccca natagttggg attacaggtg catgccgcca cncctagcta	300
atgttttttg tatcttggtg nanatgngt ttcaccttgt tgcccatgcc gctcttgaac	360
tccttggcct cccaaagtgt taggattaca ggcgtgagcc actgtgcctg gcccgaattt	420
ancaccttac tgggtgctga ggctgtgagc catagtagaa tgcattgtgat ccagggcctt	480

gctgaattca tgggctaata gggagcctga c

511

<210> 236
<211> 592
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (504)..(504)
<223> n is a, c, g, or t

<400> 236
tgagcgttgg gctgtaggtc gctgtgctgt gtgatcccc agagccatgc cggagatagt 60
ggatacctgt tcgttggcct ctccggcttc cgtctgccgg accaagcacc tgcacctgcg 120
ctgcagcgtc gactttactc gccggacgct gaccgggact gctgctctca cgggccagtc 180
tcaggaggac aatctgcgca gcctggtttt ggatacaaag gaccttaca tagaaaaagt 240
agtgatcaat ggacaagaag tcaaatatgc tcttgagaa agacaaagtt acaagggatc 300
gccaatggaa atctctcttc ctatcgcttt gagcaaaaat caagaaattg ttatagaaat 360
ttcttttgag acctctcaa aatcttctgc tctccagtgg ctactcctg aacagacttc 420
tggaaggaa cacccatata tctttagtca gtgccaggcc atccactgca gagcaatcct 480
tccttgctcag gacactcctt ctgngaaatt aacctatact gcagaggtgt ctgtccctaa 540
agaactggtg gcacttatga gtgctattcg tgatggagaa acacctgacc ca 592

<210> 237
<211> 572
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)..(5)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (568)..(568)
<223> n is a, c, g, or t

<400> 237
cttanaagag ttgctcattc acaccacgc ccttgcccaa ggctggccca ctgagagcga 60
aacttaactt ttgtctggat gggaagagaa gtaagtctac cccgaggttg ccatgttgaa 120
gagtgagagg tccaagtgat tctgtgcatt gaaaccaaga caccacacc agaacattc 180
ttccctccct cagcccaaac caaaggctgg ggttctcatc tccaagtggc tgttctcaa 240
ctttcccaag ccgcttgcatt tcccagact ggactactgt ggcggtagg ttagatttga 300

agacggggcc	caggctgggt	atgaacgggt	gcagccctct	tctcctcttc	ccccccacat	360
ctctcatgag	agaggtagtg	gcatttcctt	ctcagggagc	ttcaatggga	aagggtctcga	420
aagcttcagg	aggagcagaa	taccaacgca	gggggatggc	tgtaacgatc	tcaccgtctc	480
ctaacctcag	tccctttttt	gagagtgaat	ggtggagggt	gggaaaggga	cccaaatttg	540
tagatctctt	tgtctggggg	aggggaanga	tg			572

<210> 238
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 238		
ttaaaacagg	cgcaggggta	aaaatgagaa tgaatctgaa aaaagagagt tgggtgtttaa 60
agaggatgga	caagagtatg	ctcaggtaat caaaatgttg ggaaatggac gattggaagc 120
attgtgtttt	gatggtgtaa	agaggttatg ccatatcaga gggaaattga gaaaaaagggt 180
ttggataaat	acatcagaca	ttatatgttg tgggtctacgg gactatcagg ataacaaagc 240
tgatgtaatt	ttaaagtaca	atgcagatga agctagaagc ctgaaggcat atggcgagct 300
tccagaacat	gctaaaatca	atgaaacaga cacatttggt cctggagatg atgatgaaat 360
ccagtttgac	gatattggag	atgatgatga agacattgat gatatctaaa ttgaaccaag 420
tgttttttaca	tgacaagttc	tctgaggatg gttctacagt tgggattttg gccatcatca 480
ac		482

<210> 239
 <211> 545
 <212> DNA
 <213> Homo sapiens

<400> 239		
tttgaaggca	aagagggatt	aatctgtgct ggcacatgt aaggagactt gatagataag 60
aaaaagcttt	acctaagttt	tgaagaatag gtttttcata atggaaaatt taagggaana 120
atctccaaaa	aagtgtact	caagttttat ccatttgtat ttccaacaca gcctaggaca 180
gtacctgcac	atagtaggtg	attaataaaa atttagaaag cattaatact aaagaggaaa 240
aatagcaatg	gcaagaaaac	acatgtaggg aacacatgta gccaaaaaat aatatataat 300
cagagaaata	ataggacttc	tggaaaaaaa agatgagatc agattgggta ggatctttac 360
taacatgaca	agagcatgaa	ttttttttct gtagataata agtatgaaag aatttttagct 420
taaaaattag	cataatttg	atccacatat gcaaatcaat gaatgtaatt cataatataa 480
acagaactaa	acacaaaaac	cacgtgatta tctcaataga cacagaaaag gccttcaaaa 540
aaatt		545

<210> 240

<211> 624
 <212> DNA
 <213> Homo sapiens

<400> 240
 gacacacgag catattttcac ctccgctacc ataatcatcg ctatccccac cggcgtcaaa 60
 gtatttagct gactcgccac actccacgga agcaatatga aatgatctgc tgcagtgtc 120
 tgagccctag gattcatctt tcttttcacc gtaggtggcc tgactggcat tgtattagca 180
 aactcatcac tagacatcgt actacacgac acgtactacg ttgtagccca cttccactat 240
 gtcctatcaa taggagctgt atttgccatc ataggaggct tcattcactg atttccccta 300
 ttctcaggct acaccctaga ccaaacctac gccaaaatcc atttcactat catattcatc 360
 ggcgtaaatc taactttctt cccacaacac ttctctggcc tatccggaat gccccgacgt 420
 tactcggact accccgatgc atacaccaca tgaaacatcc tatcatctgt aggctcattc 480
 atttctctaa cagcagtaat attaataatt ttcatgattt gagaagcctt cgcttcgaag 540
 cgaaaagtcc taatagtaga agaaccctcc ataaacctgg agtgactata tggatgcccc 600
 ccaccctacc acacattcga agaa 624

<210> 241
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 241
 caagatgaca aagaaaagaa ggaacaatgg tcgtgccaaa aagggccgcg gccacgtgca 60
 gcctattcgc tgcactaact gtgcccgatg cgtgcccaag gacaaggcca ttaagaaatt 120
 cgtcattcga aacatagtgg aggccgcagc agtcaggacg atttctgaag cgagcgtctt 180
 cgatgcctat gtgcttccca agctgtatgt gaagctacat tactgtgtga gttgtgcaat 240
 tcacagcaaa gtagtcagga atcgatctcg tgaagccgcg aaggaccgaa cccccacc 300
 ccgatttaga cctgcgggtg ctgccccacg tccccacca aagcccatgt aaggagctga 360
 gttcttaaag actgaagaca ggctattctc tggagaaaaa taaaatggaa attgtactta 420
 a 421

<210> 242
 <211> 539
 <212> DNA
 <213> Homo sapiens

<400> 242
 tgcttggtccc tctacctcct gccctcttcc tgttcatctc ccaaccactg cactcttgat 60
 ttttatacca cacagaaggt aagaaaattc taggaaccct aaggatcaat cctctccatt 120
 ttcactcaaa tgcctggggc ccagctctgc aatgactgac tccagggcct ctttcctcac 180
 tgccagcata gaagtcaggg gagccagctg ggccctgcgg tcaggaaggt tctcattttt 240

ggagcattcc ctgagcccag atcataggag cagctgtccc tgggtgggaca caggagtcac	300
gactcctacc ctccaccctc cacaccacc aggcathtag cagtctgtcc tatgcaagac	360
agatgaattc tcagccagga tacctcaagg caggcaaagg tgagtggagg gaaaattcac	420
aaacattcag ggtgtgtggt gctggcatca ccatggccaa atccaagagg tcttcctgga	480
agagggccca aactggaacc aaaagaatgc tgtcagcagt tggaatagag ctgtgaatt	539

<210> 243
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 243	
ctttccaaga ggaatcctcg gcagataaac tggactgtcc tctacagaag gaagcacaaa	60
aagggacagt cggaagaaat tcaaaagaaa agaaccgcc gagcagtcaa attccagagg	120
gccattactg gtgcatctct tgctgatata atggccaaga ggaatcagaa acctgaagtt	180
agaaaggctc aacgagaaca agctatcagg gctgctaagg aagcaaaaaa ggctaagcaa	240
gcatctaaaa agactgcaat ggctgctgct aaggcaccta caaaggcagc acctaagcaa	300
aagattgtga agcctgtgaa agtttcagct ccccgagttg gtggaaaacg ctaaactggc	360
agattagatt tttaaataaa gattggatta taactct	397

<210> 244
 <211> 542
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (535)..(535)
 <223> n is a, c, g, or t

<400> 244	
ctttgataga gaagaaaatt ctctaggat acaagagcct caacatttta aagattttct	60
gcatctcaaa agcgtaggct ctttgctggg caaggtgagc ctctgtgagt cctcatagga	120
ccgagcaaat ctgattcacc ccagaaaatc caatatcgaa gctgagcttt ggcctgagcg	180
ggttccattt cctccccaga tcctatttag gaagtgtctc ctgacaacct ccaaaagggtg	240
ctaacatgca acgttctgaa gggttattgc tcaaaaacaa gattttcctt gtgggtcaaga	300
ctctgcgagc ctcgaacacg atgaatccgc tcgaatgggc ttgggctttg cccgggtggc	360
gcacgctcac acgctggaag cacagctttg acgatctcca cacacgcaca ggcacacacg	420
ccacagatga tgccggctca ttctcagggg gtgtctaaagt tctgctttaa atatttacct	480
cctaattgta caaacaatag gggcatgagc ctggtactcg ataaatgggg acttncctaa	540
aa	542

<210> 245
 <211> 649
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (615)..(615)
 <223> n is a, c, g, or t

<400> 245
 ctacagcctg ggcagcgcgc tgcgccccag caccagccgc agcctctacg cctcgtcccc 60
 gggcggcgtg tatgccacgc gtcctcttgc cgtgcgcctg cggagcagcg tgcccgggggt 120
 gcggctcctg caggactcgg tggacttctc gctggccgac gccatcaaca ccgagttcaa 180
 gaacacccgc accaacgaga aggtggagct gcaggagctg aatgaccgct tcgccaacta 240
 catcgacaag gtgcgcttcc tggagcagca gaataagatc ctgctggccg agctcgagca 300
 gctcaagggc caaggcaagt cgcgccctggg ggacctctac gaggaggaga tgcgggagct 360
 gcgccggcag gtggaccagc taaccaacga caaagccgc gtcgaggtgg agcgcgacaa 420
 cctggccgag gacatcatgc gcctccggga gaaattgcag gaggagatgc ttcagagaga 480
 ggaagccgaa aacaccctgc aatctttcag acaggaaatc caggagctgc aggctcagat 540
 tcaggaacag catgtccaaa tcgatgtgga tgtttccaag cctgacctca cggctgcctt 600
 gcgtgacgta cgtancaata tgaaagtgtg gctgccccaa accttgcag 649

<210> 246
 <211> 600
 <212> DNA
 <213> Homo sapiens

<400> 246
 gagatgtctc gctccgtggc cttagctgtg ctgcgcgtac tctctctttc tggcctggag 60
 gctatccagc gtactccaaa gattcaggtt tactcacgtc atccagcaga gaatggaaag 120
 tcaaattttcc tgaattgcta tgtgtctggg tttcatccat ccgacattga agttgactta 180
 ctgaagaatg gagagagaat tgaaaaagtg gagcattcag acttgtcttt cagcaaggac 240
 tggctctttc atctcttgta ctacactgaa ttcaccccca ctgaaaaaga tgagtatgcc 300
 tgccgtgtga accatgtgac tttgtcacag cccaagatag ttaagtggga tcgagacatg 360
 taagcagcat catggaggtt tgaagatgcc gcatttggat tggatgaatt ccaaattctg 420
 cttgcttgct ttttaatat gatatgctta tacacttaca ctttatgcac aaaatgtagg 480
 gttataataa tgtaacatg gacatgatct tctttataat tctactttga gtgctgtctc 540
 catgtttgat gtatctgagc aggggtgctc acaggtagct ctaggagggc tggcaactta 600

<210> 247
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 247
 cgaatgtgca ggtttgttac ataggtatat atatgccatg atggaaatat ttatTTTTTT 60
 aagcgtaatt ttgccaaata ataaaaacag aaggaaattg agattagagg gaggtgttta 120
 aagagagggt atagagtaga agatttgatg ctggagagggt taagggtgcaa taagaattta 180
 gggagaaaatg ttgttcatta ttggagggtta aatgatgtgg tgcctgagggt ctgtacgtta 240
 cctcttaaca atttctgtcc ttcagatgga aactctttaa cttctcgtaa aagtcataata 300
 cctatataat aaagctactg atttcacaaa a 331

<210> 248
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 248
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 41

<210> 249
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 249
 caaaaaaacg aagaaaagtg acgacagtct gagggactta tgggagatca tcaagtgaac 60
 cactatatgt gtaatgtaag tcttggaatg agaagagaga aggagaagga ggagagagct 120
 tatttgtaga aataatggct gaaaacatcc caaactttcc tttttttgag gaaagaaata 180
 ggcatacaag ttcaagaaac tcaaggaact ccagagagga caattctaaa gacaccccct 240
 ctaacataca ttataatcaa attgtcaaaa gtaaaataca aagagaatct tttaaattga 300
 caagagaaaa gcagctggtc acgttcaagg gagttctata agaatttcag cagatttctc 360
 agcagaaaacc ttgcaggcca acaggcagtg ggatgataca ttcaaagtgc aaaaaaaaaa 420
 aaaaaa 425

<210> 250
 <211> 633
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (16)..(16)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<222> (56)..(56)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (308)..(308)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (314)..(314)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (600)..(600)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (604)..(604)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (606)..(606)
 <223> n is a, c, g, or t

<400> 250
 cgagagtttta ccagtngcct aataatgcaa taaaaaatgc tttgagatag ctaacngccc 60
 ataaaacaaa ctcaaattgc ttataaagtt tcttcccatg ttcccatttg atgaaaagtc 120
 ttacatcaca tataactggg aagcaggggt ccctcctcaa ttttcagaca ttttgaaagg 180
 atgacagttc tgtttgtag atgagtaaac ctctatatctc ataagttcta aaatccttca 240
 ttatgagggga ttcaaagtat ttataaaaac actgccctct aaaaatttcc tcagatctga 300
 agtatggnct tggncctgaa tatacagtgt taccctatgt ttaaaagggg gatccagaca 360
 tgagacgcaa ctagttggtg cataagaagg cccacttggt ctatttcata tctacctaca 420
 attgacacaaa aaaaattttt taggccagca attattattt agcttcgctc tttctagtg 480
 aagaaactgc aggctggatc agtagttcaa cagctaaaca gtcataaaat agtcattggc 540
 atgttaaatt tctttcaatg cttcaaagat aaattccaat tctatttact tattcattgn 600
 gacngnatta ctaaacaggt aaggatggga ata 633

<210> 251
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 251
 ctttgggagg ccgaggcggg cggatcactt gaggtcaggg gttcgagacc agtctggcca 60
 acatggtgaa accccaactc tactaaaaat acaaaagtta gccaaagtgt gtggcaagtg 120
 cctgtaatcc cagctactcg ggaggctgag acaggagaat cactttgaac ctgggaggcg 180

gaggttgcag tgagccaaga tcgtgccact gcacttcagc ctgggcaaca gagcaagatt	240
ccgtccatct c	251

<210> 252
 <211> 593
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (157)..(157)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (569)..(569)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (588)..(588)
 <223> n is a, c, g, or t

<400> 252	
ctttcttcag ccttgcagac acctaaacat catgtaatta cctaaggaat tcccaagtgc	60
ctcttccagg ttatacgtgt aaatagctgt ttttatgcaa gattagttag atactgctct	120
ttacaggatg agtgggtgttg tctttggctg ggggggncctt aaatgtgttt ctaatgtgtg	180
tgtcaaataa ttacctgtta aacagactgc caatctggct gaagccaatg cttctgaaga	240
agataaaatt aaagcaatga tgctgcaatc tggccatgaa tacgacccaa tcaattacat	300
gaagaaacct ctaggtccac cacctccatc ttacacgtgt ttccgttgtg gttaaacctgg	360
acattatatt aagaattgcc caacaaatgg ggataaaaac tttgaatctg gtcctaggat	420
taaaaagagc actggaattc ccagaagttt catgatggaa gtgaaagatc ctaatatgaa	480
agggtgcaatg cttaccaaca ctggaaaata tgcaatccaa ctatagatgc agaagcatat	540
gcaattggga agaaagagaa acctccttnt taccagagag ccatcttntt tct	593

<210> 253
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 253	
gttgtgactc gttggcatgt gatctgaagt tcctgccctg cagctgacga gccagtgttt	60
caataattaa aaacaactca actcactgtc ctctgcctt gaatttgatc attgcgcttt	120
gcatgtatgt atcacaatac cacatgtacc ccataaatat gtacaaagat tatgtgtcaa	180
taaaaaaciaa aaattaaaat cccaattttt a	211

<210> 254

<211> 247
 <212> DNA
 <213> Homo sapiens

<400> 254
 gttgctagta gcggcaggaa gatgtcaggc tcacttttcct ctgattcccg aaatgggggg 60
 aacctctaac cataaaggaa tggtagaaca gtccatttcct cggatcagag aaaaatgcag 120
 acatggtgtc acctggattt ttttctgccc atgaatgttg ccagtcagta cctgtcctcc 180
 ttgtttctct atttttggtt atgaatgttg gggttaccac ctgcatttag gggaaaattg 240
 tgttctg 247

<210> 255
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 255
 gtccccggga atcgcgggcg cgtcgacggt ttattttcag tgcttgaaga tacattcaca 60
 aatacttggt ttgggaagac accgtttaat ttttaagttaa cttgcatgtt gtaaattgcgt 120
 tttatgttta aataaagagg aaaatTTTTT gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
 tttt 244

<210> 256
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 256
 tagaggcctg aataggtaga caatggcagc agcgTTTTTA atcacagtcc tattcatgcc 60
 ctaattcggg agtgatgatt aaaggacatt agagggagca ctttgacatc tgatcctttg 120
 aactgacgtc tgtgcaggct gactccata gagctcactt ggccaaactg atttccttaa 180
 ataaagtgtc gtgatttcca atgtaggaaa tattacatta gagcctattg aaatgattag 240
 gaattgagga gcttttcttt aggtgggaat gtggtgtatg ctgtatactc acaaaagtga 300
 gatcattaat attgcatgta ctactttgaa tatcaggggac cacagagaaa tagcatgaga 360
 aacgccttcc tgcagtcatg cacttaaaat gaatatgaac aaaaatgtgg aactctgctg 420
 tcatagctct ccg 433

<210> 257
 <211> 380
 <212> DNA
 <213> Homo sapiens

<400> 257
 ggggcttctg ctgagggggc aggcggagct tgaggaaacc gcagataagt ttttttctct 60

ttgaaagata gagattaata caactcttaa aaaatatagt caataggtta ctaagatatt	120
gcttagcggt aagtttttaa cgtaatttta atagcttaag attttaagag aaaatatgaa	180
gacttagaag agtagcatga ggaaggaaaa gataaaagggt ttctaaaaca tgacggagggt	240
tgagatgaag cttcttcatg gagtaaaaaa tgtattttaaa agaaaattga gagaaaggac	300
tacagagccc cgaattaata ccaatagaag ggcaatgctt ttagattaaa atgaagggtga	360
cttaaacagc tttaaagttta	380

<210> 258
 <211> 572
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (523)..(523)
 <223> n is a, c, g, or t

<400> 258	
gacctttgag aaaattaatt taaatcctag aactttgggt gaaccgaaga aattttataat	60
atttgtttag ttaataacag ataaaaagga aagattcaag cctattggat gagaatttgt	120
acattatttt agagctaata ataatggttt tcagtttagt gaggatttaa aaaatgtttt	180
tgaatcaaac tttttttctt tataatcctt tttaactaac tcaggaaata aggtattatg	240
aaatccacac actgttacct ccttaaagta tgaggatact tcccactggt tgggtccacta	300
gtggctgatt attttgtttg tggattatgt gtaattttct ttttaattct tccttaaaga	360
gcatggcatt tggagtcaca gacctatatt tgaatcctgt cattttactag cgttttgacc	420
ttgaacaatt atgctcagag tctcagtttt ttcttgtaaa gtgatgatga tactacttaa	480
ctcacagggt tgtagtgaag atcaaagtag atcatgtctg tanaacaccc tgcccggcac	540
tcaataagta ttaataggaa cccatatacc tc	572

<210> 259
 <211> 477
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (299)..(299)
 <223> n is a, c, g, or t

<400> 259	
tgttttttatt ttttaaaagg tataaacacc aaaaaaaaaa ttaacattgt atgaagatgg	60
aaaataagaa gatgcacttt ctgtaacttt gtctaaggat ttaaattact aacttatgaa	120
ctccaatttg aattgaactt aactatcggc tttcttactg gtaaaattat atggttttatt	180

ttaaatgcgt acatattgac caatggcctc tgaaaaagca catttttagat actgaaattg	240
aaggaaagaa aatgcatctt caaacatctt ttggaatctc accacatata ctttggtana	300
tttgtgtatt gtaggggtgtt tgttttgtat ttttgtattg tatatgaact ttttttaa	360
gtgacagtta aacacatctt taaaagcata gtcacagaca aaagcataca gtataaaa	420
ttccttgaaa actcctacaa tattatatctt ggaggcagct tcagactgtt ttattgg	477

<210> 260
 <211> 256
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (208)..(208)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (216)..(216)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (254)..(254)
 <223> n is a, c, g, or t

<400> 260	
ctctggcaca cattagttcc tcttatatta cattgatata agcaagtcac atggatttat	60
ctgagtgtaa ggagagctgg aaaaaatagt ttctagcagg tcagccacct cccagtggagg	120
gctgcatacc atagaagggg agaatgaatt ttgggaaaac aggtaattat ctctgtcaca	180
gaaggggatg aaaagtatgg tagttacnca agttanacac ctgtatggaa aataccactt	240
ggttctacaa atgngg	256

<210> 261
 <211> 627
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (591)..(591)
 <223> n is a, c, g, or t

<400> 261	
gcctcccggg ttcagggtatt tctcctgcct cagcctcctg agtggctgca ttgcaggcac	60
ctgccaccac gccttgcaaa tttttgtgtt tttagtggag atgggggttt gccatgttgg	120
ccaggctggt ctcggactcc tgacctcagg tgatccgccc gcctcagcct cccagagggc	180
tgggattaca ggcgtgagcc actgtgcctg gcccgaagtt ttgcatcttt taatgcctc	240

tgaacaaata catagagaaa actctcagaa caattaaaac ctgcagagca acagtgtcct	300
ccatgtctta ggtttcaagt ttgcctctaa aattctaadc catatctttc tactttctcag	360
ataatttatg tgtgtgtact cttcctagac gtacaagaga ctttttaatg ctaaataattt	420
gtcagtgcctt aacaaaaact caatttcaca ttactcatat tgtttttggtt ttaattgaat	480
gtgaattaaa tttttattag ttatttgatt tggaatgtta tgtatgccat taacactatt	540
aggggaatct ctagcatttc tgtattttta aagaatttga ttcttttgta nattctgcct	600
gtgtggcatt ttaaaccatgt gtgacat	627

<210> 262
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 262	
accggcgaca tggccaaacg taccaagaaa gtcgggatcg tcggtaaata cgggacccgc	60
tatggggcct ccctccggaa aatggtgaag aaaattgaaa tcagccagca cgccaagtac	120
acttgctctt tctgtggcaa aaccaagatg aagagacgag ctgtggggat ctggcactgt	180
ggttcctgca tgaagacagt ggctggcggg gcctggacgt acaataccac ttccgctgtc	240
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gtgccaccgg tgttccaact gtttaaaatt gatcagggac catgaaaaga aacttgctgt	180
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 ctaaactacc aaacctgcat taaaaatttc gggtggggcg acctcggagc agaaccacaac 180
 ctccgagcag tacatgctaa gacttcacca gtcaaagcga actactatac tcaattgatc 240
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 tgtcttctgc aaattttcta gtataacaga aatttttgta gatgaaaaaa atcattatgt 240
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 acaccctacc tccaccacct taccctcacc tggagagcag ttatttcaga accattctac 240
 ctggcatttt atcttattta gctgacagac cacctccaca gtacatccac cctaactcta 300
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 acaccctacc tccaccacct taccctcacc tggagagcag ttatttcana accattctac 240
 ctggcatttt atcttattta gctgacagac cacctccaca gtacatccac cctaactcta 300
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 cacntgnncc ctnggnctaa tctggctgag tagtcagtta taaaagccnt aatngcttnn 180
 tntttggntt cnttttttnc nggggncggn cttggggggg gttgcntcca aagatancat 240
 ntntttccaa ctttntnaan nnaanngttt taaaatccct tttccncng aaaananngc 300
 cctttaagng ccncaaaaaa aaanngtntt ctgcannttt tctantatna caaanntttt 360
 ngtagaanaa aaattttttt ttagnggcta ccctttnttt nttanncann ggagtttntt 420
 tttaaaaaa aaaaanattg ggncccctcc acaaccttggt gtcntaata gggggggtttt 480
 taaataaanc ntntntaaat ccccnnnnnn nnnncnnnnn nnnnccnnnn nnnnnnnnnn 540
 cccnnnnaaa aaatttttnc tccccnccc tttttcttcc tgccggcccc aatttaagcc 600
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ttcctgttaa gagcctctga gtttttagtt ttaaaaggat gaaaagctta tgcaacatgc 180
tcagcaggag cttcatcaac gatatatgtc agatctaaag gtatatatttc attctgtaat 240
tatgtttacat aaaagcaatg taaatcagaa taaatatgtt agaccagaat aaaattaatt 300
atattctggt cttcaaagga cacacagaac agatatcagc agaatcactt aatacttcat 360
agaacaaaaa tactcaaaa cctgtttata accaaagaat tcatgaaaaa gaaagccttt 420
gccatttggtc ttagaaagtt attttttaaa aaaaaatcat acttactatt agtatctatg 480
gaagtatatg taacaatttt tatgtaaagg tcatctttct gtgatagtga aaaaatatgt 540
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ttcgccattg cggagaatga gagcaaagcg cgagtccgct tcaacttgat ggaaaagatg	180
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cttcattcat gggttaatgg attaatgggt tatcacagga atgggactgg tggctttata	180
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 ccgggggaat gtgggctttg tgttcaccaa ggaggacctc actganatca gggacatggt 360
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<223> n is a, c, g, or t

<400> 276
ggaaagggcc attttattgc ctaaaaccac ctggnttttn aggtaacagt tccaacatgt      60
ccttttttga atagctgttc taattattat atattcagct gattaatagg agtacttgat      120
agggtggactg tgtcaggtag cctcaggcaa tcctacttca acaagctgtc agggagccat      180
gccatgcttc tttatgacat aggtgaattt gataggctca ctagcagaac atgggatcac      240
aaggtggaac cnttcntttt                                     260

<210> 277
<211> 603
<212> DNA
<213> Homo sapiens

<400> 277
gacccttcc ttacacctta tacaaaaaaa ctgaaactgg accccttctt tacaccttat      60
acaaaaatta actcaatttt attatgttgt attaaattaa gttgggttta attaagatgg      120
attaaagact taattataag acctaaaacc ataaaaaccc tagaagaaaa cctaggccat      180
accattcagg acacgggtat gggcaaagac ttcataacta aaacaccaaa agcaatggca      240
acgaagtcca aatagacaaa ttggacctga ttaaactaaa gagcttcagc acagcagaag      300
agactatcgt cagagtgaac aggcaaccca cagaatggaa gaaaattctt gcaatctatc      360
catctgacaa ggggctaata tccaaaatct acaaaagaact taaacaaatt tacaaggaaa      420
aacacaaaca accccatcaa aaagtgggct aaggatgtga acagacactt ctcaaaagaa      480
aacatttatg cagccaacaa acatgaaaaa aagttcatca tctactgtca ttagagacat      540
gcaaatcaaa accacaatga gatcccatcc cacaccagtt agaatggcaa tcattaaaaa      600
tgt                                                  603

<210> 278
<211> 268
<212> DNA
<213> Homo sapiens

<400> 278
tttatgtgtt ttgtcttggg gggcgctggg cctagcccag agtagtgctt gctccccctg      60
ccttgtccca ccagggaggc agcagactca ggccctccat ggtcctcttt gtcattttgt      120
tgacatgcat tcctcctttt gtcactttgt tggggggagg ggattaacca aaggccaccc      180
tgactttgtt ttgtggaca cacaataaaa gccccgttta ttgttaaaaa aaaaaaaaaa      240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa                                     268

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<210> 279
 <211> 569
 <212> DNA
 <213> Homo sapiens

<400> 279
 ctttagccag cctgatcaga aaaaaacaaa agaagaggaa agacgtagat taccaacatc 60
 aagaatgtga gttatgatat cactacagac tctccaggta ttaaaagcat aattagagaa 120
 tgatatgagc agctatatgc aaataagttc aacattggac aaatggacaa atttcttgaa 180
 agataaatta tgaaatttca ttctgaaaga actacatgac cttaattgtc ttacatctat 240
 taaataagtg gaaattgtag tttagaaact ttcccacaaa gaaaactcta ggcccagatg 300
 gcatcaaaat aatattcaga tgaatgaaat ggagaaagga tagccttttc aacaaatggt 360
 ggtggaacaa ttggatttcc atatgcaaaa aaatagagat ggacgcagag gtgtgtgctt 420
 aggaggctga ggtgagagga ttgtttgagg ccagcctggg caacatagca agacccatt 480
 tcaaaaacaa aaataaagaa cttgtagcct taccttgtgc catattatga aaatgtatca 540
 taggcttaaa tgtgaaacgt aaaacaaaa 569

<210> 280
 <211> 492
 <212> DNA
 <213> Homo sapiens

<400> 280
 cgcaggggct tctgctgagg gggcaggcgg agcttgagga aaccgcagat aagttttttt 60
 ctctttgaaa gatagagatt aatacaacta cttaaaaaat atagtcaata ggttactaag 120
 atattgctta gcgттаagtt ttttaacgtaa ttttaatagc ttaagatttt aagagaaaat 180
 atgaagactt agaagagtag catgaggaag gaaaagataa aaggtttcta aaacatgacg 240
 gaggttgaga tgaagcttct tcatggagta aaaaatgtat ttaaaagaaa attgagagaa 300
 aggactacag agccccgaat taatactaata agaaggggcaa tgctttttaga ttaaaatgaa 360
 ggtgacttaa acagcttaaa gtttagttta aaagttgtag gtgattaaaa taatttgaag 420
 gcgatctttt aaaaagagat taaaccgaag gtgattaaaa gaccttgaaa tccatgacgc 480
 agggagaatt gc 492

<210> 281
 <211> 355
 <212> DNA
 <213> Homo sapiens

<400> 281
 cgaaaagcaa atataacttg ccactaacca agatcacctc tgcaaaaaga aatgaaaaca 60
 acttttggca ggattctgtt tcatctgaca gaattcagaa gcaggaaaaa aagcctttta 120
 aaaataccga gaacattaaa aattcgcatt tgaagaaatc agcatttcta actgaagtga 180

gccaaaagga aaattatgct ggggcaaagt ttagtgatcc accttctcct agtggttcttc	240
caaagcctcc tagtcactgg atgggaagca ctgttgaaaa ttccaaccaa aacaggggagc	300
tgatggcagt acacttaaaa acgctcctca aagttcaaac ttagatttca gattt	355

<210> 282
 <211> 619
 <212> DNA
 <213> Homo sapiens

<400> 282	
ccggtctcta cacaatatat agaaatctgg gcatgggtgg gcctgggtgt agtctcagct	60
acctagtttgg gtgaggtggg agagtcgctt gagtcctgga gggtgaggct gtagtgagcc	120
agggctgcac cactgcattc cagcctgggt aacagagtga gaccctgtct caaaaagaaa	180
aaaaaaaaatt gctaatttta acaaatcaca aaactgactc aggcaagttg tctgactcaa	240
aagcccttga aaaaccatca aagacagtag aatgttaact ggtcatttac gtaaaatagt	300
gttcattaaa tttttggttc atttaggata atcattttaa atgagactgt atttgagact	360
gtatacacat acatatacat gtttacacac atatacgtac aatatatgta cattctatct	420
aaaagatcat acatgtgtgt acatatatgt ttttaaaagt caaactgaca tattaatgga	480
aacagtgcctt acatctctgg tagtgatttt ctattagcag cagccctaca tatgctgcgt	540
ctctgaacag catgtcagtg ccatgactgt ctaaacaatgc aaatatgact gacagactct	600
tgagacagct ttcaccttg	619

<210> 283
 <211> 328
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (7)..(7)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (17)..(18)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (23)..(23)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (86)..(86)
 <223> n is a, c, g, or t

<400> 283	
aattcngggc cgcgtcncc tangaggcac caggaaatcc cgcgggggtgg cccatgcaga	60

ccaggcgcac gtggtcatg gggcanaatt gccaggaca gtcacgaca gtgccacctt	120
ctcaccattc cagccaagga gagatgtgac gttggaactg ctctggcact tctgtcaagc	180
ctccccgcc ccaattgcct tgagatctct gctctttgtc agagatttgc aaagactcac	240
gtttttgttg ttttctcatc attccattgt gatactaaga aactaagaag cttaatgaaa	300
agaaataaaa tgcctatggt gttgttct	328

<210> 284
 <211> 563
 <212> DNA
 <213> Homo sapiens

<400> 284	
ctagaaccca tgactcctag gtcttatact gcaaccacag tatcagcaaa taatctttca	60
taaggggatt atttctgat taacaggaaa tacaggaatt taatttgtga acacgctagg	120
tagaagcaga aacccaaatc caaatccaaa tttaaacatt taaaattcat tctataacta	180
agatctaaca gtcattttct tcccagtaag aaataaccaa agcatgctaa aaatcactgg	240
actaaattgg tgtcaaaact gccacattgc caggcatggg ggggtcatac ttgtaatccc	300
agcactttgg gaggccgagg tgggaaaatt gcttgaggcc aggagtctga aaccagcctg	360
ggcaacacag tgagaccca tctccacaaa aaaaaaaaaat taaaaaaca aacaaaacat	420
tagctgggca tgggtgtaca cgctgtagt cccagctact caggagcctg aagtgagagg	480
atcactgaag cccaggaggt agagctatga ctgtagtgag ctatgactgt gccactacac	540
tccacctggg tgacagggga ctc	563

<210> 285
 <211> 257
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (102)..(102)
 <223> n is a, c, g, or t

<400> 285	
cgacttccat ttgtattaat ggaatactaa gtccctctgt gatttctgaa ccaagctatt	60
cctaggcctg agttttatct tggtgacaca gaaataaatt anaaggccaa gcgtgggtggc	120
atgtgcctgt agtcctagtt gctgaggtaa gaggattgct tgagcccagg agttcaaggc	180
tgcagcaagc tttgattgag cactgcact ccagccttgg cgacagacta agacgctgtc	240
tcaaaaaaaaa acaaaaaa	257

<210> 286
 <211> 602

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<400> 286
ggttatcaat gagattaaga gacaactaga gtaaaaacaa aagaaaagaa aagaaangaa 60
aacaacagaa gctctattaa ctgacctcta accaatacaa cagggttaact gatgttctcc 120
attctgtata taaaaatccc agtggacacc cacaacacag gcttcaggct tgtaggacac 180
tttctagtct atctgagcac ttttggtctc agcagttgag ctgtatactt agcaacattt 240
ggtgcttcca aaccattttg tgcctgtagc acttactatt gaaatacata atttaattaa 300
atattatata aaggaatgga atacgagttg gacaagaaaa agagttaaatt ctgaaggtta 360
ggtaaaaaga gcaacttctt ttctctgttt tgcagggttg caaatcatt taaaaacaat 420
tggaagtatt atatgttctg cattaagttg tcattttact taaaaactag gcatcaaaga 480
tgatgcataa taaatttagt gtatgcaaga atgactgctt gggacctcaa tatatgaatt 540
cttaatccaa ggaaagtcct tggccttaca tttaaaagtc ggcaaataag tgtacgttca 600
tt 602

<210> 287
<211> 306
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

<400> 287
gaacatttaa aaataatgca aataaggctg ggcgtggggg ctcacacctg taatcccagc 60
actttgggag gccgaggcag gcagatcacg aggtcaggag attgagacca tcctggctaa 120
cacagtga aa ccctgtctct acttaaaaaa taaaaaaatt agccaggcgt ggtggtgggc 180
gcctgtagtc ccagctactc aggaggctga ggcaggagaa tgggtgtgaac ccgggaggcg 240
gagcttgcan tgagctgaga tcgtgccact gcactccagc ctgagcgaca gagcgagact 300
ctgtct 306

<210> 288
<211> 419
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

<400> 288
tcattagaat ccaagctttg aaaatttctg attaatgctc atgtatttct ttatctttgt      60
ttttccttgt gaagaaagac tttcaccact gtctgagtga tgatgctggt gataaggatg      120
atgtcgaatga ctactatatt gcattcttca ggaacagctg atgggaaggg aggggctgct      180
gagttccctt gttctagcta gcagcacgct cctcanagag ggggccgagt tacagacagc      240
agccgcattc tcattgcaaaa ttagttttta actgctagtg tgggcatcgg taccttttgc      300
ctgggtgata ccgaagaatt gttgaggatt tagtatgctc cgtagagaca gttcagccag      360
tcatttctgc attggagaga cttctcatat tttctttgaa gactcataga aagctggat      419

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<210> 289
<211> 626
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (13)..(13)
<223> n is a, c, g, or t

```

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<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

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<220>
<221> misc_feature

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<222> (166)..(166)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (168)..(168)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (387)..(387)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (407)..(407)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (530)..(530)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (614)..(614)
<223> n is a, c, g, or t

<400> 289
attaaggttt gtncccaaca agaatagatg taattagaaa aaantgnctt ccttacctat 60
tgcctctgat ntttacttgc tttaaattttt tttattgnaa atccagaaaa agnggattta 120
gagaacaaca ctaactccca cctaattctat gacaganatg tacaananag tacctgtgaa 180
aaatgtgaaa gnatntgaaa aatgtaacct ttggcagcct gagcatagtc aaccagaaaa 240
actatctgaa ttaaaataat tgggtccatag gtactatttt atttggtcca taaggattat 300
tttttcaact tttttttcaa gtgtattatt atgtcatttc ccacgtaggt tactgatacc 360
tgaagacttt ttncaccttt aaccttntctc gttgaggagc tttgtantct aataaaagag 420
aaatataagt aaatgttaga tatatgggng gataatggta actatgtgct taaagaggta 480

taaaagaagg gtagggagca gataagacaa aggaagggct atattataa gaagaatatt	540
ccaagtaggg aagagaaaaa gatatgttat ccatataata ttttatgtgc agtagagAAC	600
atgttctata gaanagacag aagatg	626

<210> 290
 <211> 623
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (576)..(576)
 <223> n is a, c, g, or t

<400> 290	
cttgagccca ggaattccag cctgggcaat atagtaagac tccgtctcta caaaagatac	60
aaaaattagc cagatgtggg ggtgcgtgcc tgtagtcca gatactggaa agactgaggc	120
aggaggattg cttgagcatg ggaagttgag gctgcaatga gctgtgatta cgccactaca	180
ctccagcctg ggcaacagag taagatcttg tctcaaaaaa aaaattgaat tcagctaaaa	240
ataataaaat tttaaaataa ttttaaaaag ccctcaacag ctttgTTTTT ctctccttgc	300
cagcttctct gcagcctata gcctgcaggc tggctgctgc gagccaggac aagcggTggg	360
aaatgcaatc acagcgtgaa atctctgtgt tcagagacac gcaggaagca ggtgaaccat	420
gaagggccaa cacatgcccc cagttagcag ggtgtagaga ccggggcagg gctttcttct	480
tccttctggg ttataaatat ccatgtcctg ccatttgaag ctgcaagtgg cacacatgga	540
tgctggacag gcgctgcac tttctgggca gggcangggg ctcaaaggca ggacagctgg	600
gcaaaagcac cttgcgtggg ccc	623

<210> 291
 <211> 579
 <212> DNA
 <213> Homo sapiens

<400> 291	
ctttggagct tctgtctgtg ctgtggacct caatgcagat ggcttctcag atctgctcgt	60
gggagcacc atgcagagca ccatcagaga ggaaggaaga gtgtttgtgt acatcaactc	120
tggctcggga gcagtaatga atgcaatgga aacaaacctc gttggaagtg acaaatatgc	180
tgcaagattt ggggaatcta tagttaatct tggcgacatt gacaatgatg gctttgaagg	240
taattaaaaat tatcaaattg gtgcttgatt tctgctttta aaatggttta tggaagaaaa	300
tatgattaaa gttttgtatt gtttcccttc ctatagaaga tggagccaga atggcatgct	360
aagttttttc ttttcttttag tgttatatat gacttctcct caattgtcac ccattgatct	420
ttaccactgt taataatgga tgatattcaa aataccttat ttcagtgatt ctaaggcacc	480

attgattaga aactgcatta ttatttatgt gtcctaataa gctacctatt aagctgttac	540
acccaccatt tttctgttaa gaaaatcctg atttcagaa	579

<210> 292
 <211> 709
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)..(4)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (24)..(24)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (47)..(47)
 <223> n is a, c, g, or t

<400> 292	
gtnttcctct cggaacgcgc cttntgtagc caggtgctac cagaccnaat acacggttgt	60
tccagcttgc gcattcaccg atggcgtaga tatccggatc ggaagtctgg caggaatcat	120
taatgacaat acccccacgc ggagcaacgt ccagaccaca ctgggttgcc agcttatcgc	180
gcggacggat accggtagag aagacgataa agtcgacttc cagttcgctg ccgtcggcaa	240
aacgcattggt tttagcgcgt tcaacacctt cctgcacaat ctcaagggtg tttttgctgg	300
tgtgaacgcg cacgcccata ctttcgattt tgcgacgcag ctgctcgccg cccatctgat	360
caagctgttc tgccatcagc atagggggcaa attcgataac gtgggttttca atacctaat	420
ttttcagcgc gcctgcggct tccagaccta acaggccgca attcgagctc ggccgacttg	480
gccaatcgc cctatagtga gtcgtattac aattcactgg ccgtcgtttt acaacgtcgt	540
gactgggaaa accctggcgt taccacaatt aatcgccttg cagcacatcc ccctttcgcc	600
agctggcgta atagcgaaag agggccgcac ccgatcgccc tttccaacag ttgcgcacct	660
gaatggcgaa tggaattgt aagcgtaaat attttgttaa aattcgcgt	709

<210> 293
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 293	
ctgcgcagac cagacttcgc tcgtactcgt gcgcctcgct tcgcttttcc tccgcaacca	60
tgtctgacaa acccgatatg gctgagatcg agaaattcga taagtcgaaa ctgaagaaga	120
cagagacgca agagaaaaat ccaactgcctt ccaaagaaac gattgaacag gagaagcaag	180

caggcgaatc gtaatgaggc gtgcgccgcc aatatgcact gtacattcca caagcattgc	240
cttcttattt tacttctttt agctgtttta ctttgtaaga tgcaaagagg ttggatcaag	300
tttaaagtac tgtgctgccc ctttcacatc aaagaactac tgacaacgaa ggccgcgcct	360
gcctttccca tctgtctatc tatctggctg gcaggggaagg aaagaacttg catgttggtg	420
aaggaagaag tggggtggaa gaagtggggg tgggacgaca gtgaaatcta a	471

<210> 294
 <211> 495
 <212> DNA
 <213> Homo sapiens

<400> 294	
cttgtattca agaactactg taatgcatta gtggtctggc ttcattttgt atgatgccag	60
atccttaatt taccagcac aatcatttca gtagtttcct atggctcctg caaaaatgca	120
aacagaaacc accacaggaa cagccccttg ctgcctcctg ttgctgaggt agtagtcgct	180
aaagaaaatt gaaggctcct tacaatctat atttgaaaac tagaacttct gtagaaacac	240
acagatcccg atcttagaag ttgtacagga caatctggta aaactgacat aattgtgatt	300
tattaacatg aattaaaatg cccaaccagt gcttcagtgt gacagtatat ttaaaataaa	360
aaagaaatta aaggatcatat actgtactac tttcacaaag atccacagtt ttgcaaaga	420
cttgtcatat gtacaatgct atatatcaaa tgagaaaagc tgtaagcaat tatatacgca	480
aaagaaatgg cagta	495

<210> 295
 <211> 531
 <212> DNA
 <213> Homo sapiens

<400> 295	
ttccagtcct ttcatttagt ataaaagaaa tactgaacaa gccagtggga tggaattgaa	60
agaactaatc atgaggactc tgtcctgaca caggctcctca aagctagcag agatacgag	120
acattgtggc atctgggtag aagaatactg tattgtgtgt gcagtgcaca gtgtgtggtg	180
tgtgcacact cattccttct gctcttgggc acaggcagtg ggtgtagagg taaccagtag	240
ctttgagaag ctacatgtag ctcaccagtg gttttctcta aggaatcaca aaggtaaact	300
acccaaccac atgccacgta atatttcagc cattcagagg aaactgtttt ctctttattt	360
gcttatatgt taatatggtt tttaaattgg taacttttat atagtatggt aacagtatgt	420
taatacacac atacatatgc acacatgctt tgggtccttc cataatactt ttatatttgt	480
aatcaatgt ttttgagca atcccaagtt taagggaat atttttgtaa a	531

<210> 296
 <211> 496

<212> DNA
 <213> Homo sapiens

<400> 296
 caaccctctc tcctcagcgc ttcttctttc ttggtttgat cctgactgct gtcattggcgt 60
 gccctctgga gaaggccctg gatgtgatgg tgtccacctt ccacaagtac tcggggcaaag 120
 aggggtgacaa gttcaagctc aacaagtcag aactaaagga gctgctgacc cgggagctgc 180
 ccagcttctt ggggaaaagg acagatgaag ctgctttcca gaagctgatg agcaacttgg 240
 acagcaacag ggacaacgag gtggacttcc aagagtactg tgtcttcctg tcctgcatcg 300
 ccatgatgtg taacgaattc tttgaaggct tcccagataa gcagcccagg aagaaatgaa 360
 aactcctctg atgtggttgg ggggtctgcc agctggggcc ctccctgtcg ccagtgggca 420
 cttttttttt tccaccctgg ctcttcaac acgtgcttga tgctgagcaa agttcaataa 480
 agattttggg aagttt 496

<210> 297
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 297
 cggatgtggt ggcaggcgcc tctagtccca gctactcggc aggctgaggt aggagaatgg 60
 cttgaaccca ggaggtggag ctgacagtga gccgagatcg cgccactgca ctccagcctg 120
 ggcggcagag cgagactcca tctcaaaaaa aaaaaaaaaa aaaatagact ttgagaccag 180
 cctgaccaac atagtgaaac ccgtcactac taaaaatata aaaattaccc gggcgtgggtg 240
 acgggcgctt gtaatcccag ctacttggga ggctgagaca ggagaatcac ttgaaccagg 300
 gaggcggagg ttgtagtga ctgaaatcgt gcccctgcac tccagcctgg gtaacaagag 360
 cgaaactccg tctcaaaaat aaataaataa ataaaat 397

<210> 298
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 298
 ccagcttttt atggtgttta atctaataca cttaagctgc agtcccaaaa ttaggggtcc 60
 ttcagtcttg gagactataa gggagcctct gcacccaggg aaaatgttac cttttacagg 120
 ggggaagggg aaaccagtag ggaatacagt acaatcccaa ccctactggg aggggaggga 180
 gggaggtgtt gccgtcactg tattaagtcg atgttgggaa acgttttaac atctggagcc 240
 tttgtgggtg gaaatatgtc tccagttaca actccgcagt ggatgtgaag aag 293

<210> 299
 <211> 452
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (210)..(210)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (449)..(449)

<223> n is a, c, g, or t

<400> 299

ggaagctaca atgatttttg gaattacaac aatcagtcctt caaatttttg acccatgaag	60
ggaggaaatt ttggaggcag aagctctggc ccctatggcg gtggaggcca atactttgca	120
aaaccacgaa accaaggttg ctatggcggt tccagcagca gcagtagcta tggcagtggc	180
agaagatttt aattaggaaa caaagcttan caggagagga gagccagaga agtgacaggg	240
aagctacagg ttacaacaga tttgtgaact cagccaagca cagtgggtggc agggcctagc	300
tgctacaaag aagacatgtt ttagacaaat actcatgtgt atgggcaaaa aactcgagga	360
ctgtatttgt gactaattgt ataacagggt attttagttt ctgttctgtg gaaagtgtaa	420
agcattccaa caaaggggtt ttaatgtana tt	452

<210> 300

<211> 480

<212> DNA

<213> Homo sapiens

<400> 300

tggaattccc tcgtaactta aagggaaact ttcacaatgt ccggagccct tgatgtcctg	60
caaataagga aggaggatgt ccttaagttc cttgcagcag gaaccactt aggtggcacc	120
aatcttgact tccagatgga acagtacatc tataaaagga aaagtgatgg catctatatc	180
ataaatctca agaggacctg ggagaagctt ctgctggcag ctggtgcaat tgttgccatt	240
gaaaaccctg ctgatgtcag tgttatatcc tccaggaata ctggccagag ggctgtgctg	300
aagtttgctg ctgccactgg agccactcca attgctggcc gcttcactcc tggaaccttc	360
actaaccaga tccaggcagc cttccgggag ccacggcttc ttgtggttac tgacccaggg	420
gctgaccacc agcctctcac ggaggcatct tatgttaacc tacctaccat tgccctgtgt	480

<210> 301

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (426)..(426)

<223> n is a, c, g, or t

<400> 301
gtggtacata tacacaaagg aaaactatgt agccattaaa agaaaaggaa ctcctatcat 60
ttgtaacaac ataaataaat ctggaggaga ttaggctaag gtgaaataag ccaggcacia 120
aaagacaact accatatgat cttacttata cgtgtgtgga atctaaaaag gtggaattta 180
cagaagcaga gagtagaatg gtgattacca gaggctgggg agtgagggca ggaggttgga 240
gaaatgttgg tcaaaggata caaagtttca gttatacagg atgaataagt tcaagagatc 300
tattgtacaa cgtggtggct atagttgata acaatgtatt gtgttcttga aaaatgctga 360
gagagtagat ttttaagtgtt ctcaccacaa aacataagta tgtgaggtaa tgcattgtgtt 420
aattanctta atttagacat ttcataatgt attatacata tttcaaaacc acgttgtaca 480
tgagaaagat acacaatt 498

<210> 302
<211> 474
<212> DNA
<213> Homo sapiens

<400> 302
gcccagtcga cccatgttct cttttctaca ccagcattag acgctgtctt cacagatttg 60
gaaatcctgg ctgccatttt tgcagctgcc atccatgacg ttgatcatcc tggagtctcc 120
aatcagtttc tcatcaacac aaattcagaa cttgctttga tgtataatga tgaatctgtg 180
ttggaaaatc atcaccttgc tgtgggtttc aaactgctgc aagaagaaca ctgtgacatc 240
ttcatgaatc tcaccaagaa gcagcgtcag acactcagga agatggttat tgacatgggtg 300
ttagcaactg atatgtctaa acatatgagc ctgctggcag acctgaagac aatggtagaa 360
acgaagaaag ttacaagttc aggcgttctt ctcctagaca actatacccg atcgcatcca 420
ggtccttcgc aacatgggtca ctgtgcagac ctgagcaacc ccaccaagtc cttg 474

<210> 303
<211> 535
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (492)..(492)
<223> n is a, c, g, or t

<400> 303
ctgtaacaga gattcctttt ttcaataatc ttaattcaaa agcattatta gacttgaaag 60
ggtttgataa tctcccagtc cttagtaaag attgagagag gctggagcag ttttcagttt 120
taaattgagtc tgcagttaat atcaaattgtg agtttgggac tgcctggcaa catttatatt 180
tcttattcag aacccttgat gagactatct ttaaacatac tagtctgctg atagaaagca 240

ctatacatcc tattgtttct ttctttccaa aatcagcctt ctgtctgtaa caaaaatgta	300
ctttatagag atggaggaaa aggtctaata ctacatagcc ttaagtgttt ctgtcattgt	360
tcaagtgtat tttctgtaac agaaacatat ttggaatgtt tttcttttcc cttataaat	420
tgtaattcct gaaatactgc tgcttttaaaa agtcccactg tcagattata ttatctaaca	480
attgaatatt gnaaatatac ttggcttacc tctcaataaa agggctcttt ctatt	535

<210> 304
 <211> 464
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (427)..(427)
 <223> n is a, c, g, or t

<400> 304	
tccacccacc ttgacctccc aaagtgctgg gattataggc gtgagccacc tcgcccagcc	60
cgatactagg acttatgcag aaaaaacctt gacatggagg aaagtaagat ctaaataaat	120
actgtattca tagattaaaa gactcagcat aataaatata ccatttctcc ccagattgat	180
gtacagatttt aacacaattc ctatcaagat cccagcaaga tttttgtaga tatgtaaaag	240
attattcaaa aatgtaaaag gaaggacaaa ggactagaat agataaaaaca aaatggagaa	300
agatttaata ggaatcactg taactgattt taagacatac agaacaataa tagaaactgc	360
ttgtattagt ccattttcac gctgctgata aagacatacc tgagattggc aattacaaag	420
gaaagangtt tattggctta cagttcccat ggctggggag gcct	464

<210> 305
 <211> 588
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (511)..(511)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (546)..(546)
 <223> n is a, c, g, or t

<400> 305	
ctcctctggg ttgaaacccg ggcgccgcca agatgccggc ttaccactct tctctcatgg	60
atcctgatac caaactcatc ggaaacatgg cactgttgcc tatcagaagt caattcaaag	120
gacctgcccc cagagagaca aaagatacag atattgtgga tgaagccatc tattacttca	180
aggccaatgt cttcttcaaa aactatgaaa ttaagaatga agctgatagg accttgatat	240

atataactct ctacatttct gaatgtctga agaaactgca aaagtgcaat tccaaaagcc	300
aaggtgagaa agaaatgtat acgctgggaa tcactaattt tcccattcct ggagagcctg	360
gttttccact taacgcaatt tatgccaaac ctgcaaaca acaggaagat gaagtgatga	420
gagcctatatt acaacagcta aggcaagaga ctggactgag actttgtgag aaaagttttc	480
gaccctcaga atgataaacc cagcaagtgg ngggcttgct ttgtgaagag acagttcatg	540
aacaanagtc tttcaggacc tggacagtga agggagcccg ggcagcca	588

<210> 306
 <211> 492
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)..(3)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (12)..(12)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (117)..(117)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (291)..(291)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (313)..(313)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (322)..(322)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (410)..(410)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (417)..(417)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (459)..(459)
 <223> n is a, c, g, or t

<400> 306
 cgnggccgcg tnaacttttg atcgtcagct ggggctggca ggcacctaaa tgggaagggg 60
 gatagcagtg tgttgggggg agtttaggga acggtcctct accgatagag gcagcanctc 120
 attggaattt cctcctgaag ttgtcttgcc ccttgaatcc tgcaggaagg ctggcaaatg 180
 gccatttccc ttccacttga atagagaccc ataactcaag tatctgccct taagacacca 240
 caggactggt cttcgcgggc cctgcccctg gatttgggag aggcagtcca nctcacccaa 300
 ctaggctctg canggggacc angagggatg ggttgtgtcc acaggaccag ccagactgat 360
 gagggatgcg gcaagcatat tctcaccacc ttctttcacg tttaacaan accagcnttc 420
 cctgtgtggc aggggttaca ttgggtcaccg aggacctana atcatggagt gctctgggga 480
 tccgggcttg ga 492

<210> 307
 <211> 430
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (396)..(396)
 <223> n is a, c, g, or t

<400> 307
 tcagtgttga attttgtcag acactttctc tgcatacaatt ggtatgacca tgtgattttt 60
 tttctgtagc ctgttaatat ggtaattttt caaatattga gctgattaat tttcaaatat 120
 tgagctctcc ttgcatctct ggaataagta ccacttggtc gtggtatata tttcttttaa 180
 tatattgctg aattctgttt gatcatgttt tcttaaagac tttcgtgtct gttttcatga 240
 tagatactgg tctatagttt tgttgtaata tcttggtttg attttgatat caggataatg 300
 ctaccttaat agaatgaatt ggagccaagt atggtggcaa atgcctatag tcctagctac 360
 tcaggaggct gaggtggtgg ggactgcttg acccangagt tcaaacttag cttgggcaat 420
 gtagcaagac 430

<210> 308
 <211> 574
 <212> DNA
 <213> Homo sapiens

<400> 308
 tagaaggaat gactattcat gtccaaagt aatggttttg tgcagtgaac aacacatggc 60
 gaggtactaa ctgagaaact ttttcatgct ttatgcctac ctctttagt tgttcagag 120
 caaatataaa ttgtaataag atagctaggc cttgcagaaa caaacagaaa aacttaaaaa 180
 aaaatgatat aagagctgga gtctagtatt tatatgaatc tgtgagagat aatttttttg 240

gtctcactgc aatgaaccaa aagcggctga gtttggtttt taattgtagc catgtattga	300
aggcatcttt ttgaccaact cttgttggtt ctgtcttgaa ccattgttaa tcaactgtgct	360
gtaattagta tagctaaatc ttttccttcc ttgctcctcc cccagcccac cccgtcttcc	420
cttaacattht tttcaggggg gggtgggagt ggtttcattt taatgtgagt ggatgttttg	480
atagttgtaa ggaaaaaatg catttcagac acatttcaca catgagctat tttcttacac	540
agtatgtctt attggtata agaatgtaat tcat	574

<210> 309
 <211> 327
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2)..(2)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (7)..(7)
 <223> n is a, c, g, or t

<400> 309	
cnttcntaa gaatacaaaa aattagctgg gcgtgggtggc aggcgcctgt aatcccatct	60
actcaggaag ctgaggctgg agaatcgctt gaacccggga ggcggagggt gcagtgaagca	120
gagatcacgc cactgcagtc cagcctgggc aacagtgcga gactctgtct caaaaaaaaaa	180
ataaataaat tacctgggtg tggcagcgcg tgccctgtaat cccagctacc caggaggctg	240
aggcaagaga actgcttgaa cccaggaggc agaggttgca tggagctgag atggcgccac	300
tgcaactccag tctggtgaca gaggtag	327

<210> 310
 <211> 273
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (37)..(37)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (210)..(210)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (225)..(225)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (227)..(227)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (229)..(229)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (245)..(245)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (273)..(273)
 <223> n is a, c, g, or t

<400> 310
 ctctctacta aaaatacaaa aattagctgg gcacggnggt gcatgcctgt aaaccagct 60
 accaggtact cgaggagctg aggcaggaga atcgcttgaa ccagggagtc ggaggttgcg 120
 gcgagctgag atcatgccac tgcactgcgg cctggagaca agagcaagac tccgtctcaa 180
 aaaaaaaaaa aaaaaaaaaa aaaaaagacn tcacctaatt gcagngngng gaccttattt 240
 ggctnttaat tcaaactatt aaaaatgtga acn 273

<210> 311
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 311
 cgggggtctgt accgggctgg cctgtgccta tcacctctta tgcacacctc ccacccctg 60
 tattcccacc cctggactgg tggcccctgc cttggggaag gtctcccat gtgcctgcac 120
 caggagacag acagagaagg cagcaggcgg cctttgttgc tcagcaaggg gctctgccct 180
 ccctccttcc ttcttgcttc tcatagcccc ggtgtgcggt gcatacacc ccacctctg 240
 caataaaata gtagcatcgg 260

<210> 312
 <211> 538
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (7)..(7)
 <223> n is a, c, g, or t

<400> 312
 ctgagtntag aaatgatgcc attaatactg attgcaaaaa cattacaact cagtactgca 60
 gctttcattc aaatagggtta tatgtataaa ctgagttcaa caatattgta tttgagatgg 120

taaagttaaa gaaatgcaat aatgtaaata atacttaaga aaataagatc tcaggaaact	180
gtatatactc tgtactttta tgcaacttta tcagatcatt tcagtatatg catcaaggat	240
atagtgtata tgacatgaac tttgagtga aaaactgtac tatgtacctt ttgtttat	300
tgctgtcaac atctaaataa aggttttttt gtttgttttt tgttttttta attgttttgt	360
tttaaagatt gttttaatta attaaaaaat taattgtttt aattaaacaa ttgtttaatt	420
gttttaaagt cgccaggctg aggcagggtga atcacaaagct taggagttgg aggctagcct	480
gccaacatgg tgaaaccccg tctctactaa aaatacaaaa aaattaactg ggtgtggg	538

<210> 313
 <211> 629
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (549)..(549)
 <223> n is a, c, g, or t

<400> 313	
cccatctgca ccagtacaca ggcaggcatt atcattcttc acctactttt taaatagtgg	60
caacttgga ttcatcttg tgattctgaa ccttgccctca tagcttaaag tataaaaaag	120
attcaagagc agtgaggttt gttctttcca gtgaatggtg gactgagtgg tgcgagggtg	180
agggctaaca agaggaaaga actacattct tcagaataca gtgatgaaaa ttcatTTTga	240
aactcaaata ttttcatTTT ggatattctc ctgtttttat taaaccagtg attacacctg	300
gccatccctc taaatgttct aggaaggcat gtctattgtg attttgatga agacagaatt	360
atTTTtctct gtagaaacac agataccact ttatcagggg aagttagtca aatgaaatgg	420
aaattggtaa atggacaaaa gctagctagt aaaaaggacg acccagcaac atgctttaac	480
cccattgtat gtttgtggaa agagcatagt ttaacatctt gagaaatttg ggacataaaa	540
gttttcatng gtagacagtt catggcagta tatgaattga cataatggaa ataatctgat	600
tttattttta caactaacat cttttcccc	629

<210> 314
 <211> 641
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (635)..(635)
 <223> n is a, c, g, or t

<400> 314	
ggaattccaa gtgcttgagg ataatgatac ctctgacctt tcttcctttt gggaagtact	60

tgagtgtgca gctgcatgag gcctcagcag gagagagatt ttaggtccaa gaagctatac	120
cagtaggaca aggcaggaaa atactacact ttcaggatca agccccctctg actctcattt	180
ggaaactgga tgtttgctaa gcacctgctt ctttaaggatg ccgagggatt taatgatact	240
cccagaaacc tggagagatt aatggggcct atggagaagt gctctgaact cagtgttggg	300
acttgaataa aattaaccat tgtcatgttt tcagaacaac taagctgttt tatatttcat	360
gtgcatgaaa gccctagaac taagttgtgt tatttccaga aatgaaatag atcccacagt	420
tagatgatgt ggccattagg aagtaccaa tttataaaaa tcaactggagg tctgtctgag	480
cagtacctaa taaaatatag tatactgaaa gtgaacagat actttgtctc tttctttggc	540
tgcttgatct ttatctgtgt ctgccgtaca gtgcaccctt aaagtattct acaccagtgc	600
ttctcaaact ggaaatgtgc atgtaagtca cccangggtc t	641

<210> 315
 <211> 645
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (215)..(215)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (398)..(398)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (598)..(598)
 <223> n is a, c, g, or t

<400> 315	
tgcattgccca tagtcccagc tatttgggag gctgaggcag gaaaatcgct tgaacccggg	60
agccagaggt tgcagtgagc cgagatcgca ctccagcttg gcgacagaac aagactctgt	120
ctcaaaaaaaaa aaaaaaaaaaag aaatcttggg atcctgaacc cttactcga agggctaagg	180
tagcatctca gcatgtctta ttcgagactt cgtanaacca gacctgctgt ttgtagatgt	240
taattaatca aacctttctc tactcattct ggaccagtta aggttttctc cttctccgta	300
tgagttttga ttttcgtcct ctttggttgg agatcacact ttggtctgct gctaagttgg	360
atgcctccca ctgtctttcc ctaagtctag ggcttcanac cccagtgtgg ggagagggac	420
tttcgtttcc tgccctcac cacatcagac acaggcaggc aagaataaga tggccaaaag	480
gccgatgaac ttcttgacct agcctgggac attacctgtt actaggtgga cttcactgcc	540
tgtgaatgga agctgaaggg ctgttttttt ggtttgtatt tggacaggcc aggcttanag	600

agggagagaa ctgggctact cttcagcagt gatcttttaa atgcc 645

<210> 316
 <211> 542
 <212> DNA
 <213> Homo sapiens

<400> 316
 cagagtgcaa gacgatgact tgcaaaatgt cgcagctgga acgcaacata gagaccatca 60
 tcaacacctt ccaccaatac tctgtgaagc tggggcaccc agacaccctg aaccaggggg 120
 aattcaaaga gctggtgcca aaagatctgc aaaatcttct caagaaggag aataagaatg 180
 aaaaggatcat agaacacatc atggaggacc tggacacaaa tgcagacaag cagctgagct 240
 tgcaggagtt catcatgctg atggcgaggc taacctgggc ctcccacgag aagatgcacg 300
 aggggtgacga gggccctggc caccaccata agccaggcct cggggagggc accccctaag 360
 accacagtgg ccaagatcac agtggccacg gccacggcca cagtcatggt ggccacggcc 420
 acagccacta atcaggaggc caggccaccc tgcctctacc caaccagggc cccggggcct 480
 gttatgtcaa actgtcttgg ctgtggggct aggggctggg gccaaataaa gtctctttcc 540
 tc 542

<210> 317
 <211> 583
 <212> DNA
 <213> Homo sapiens

<400> 317
 gaaccctgcg gagggacttc aatcacatca atgtagaact cagccttctt ggaaagaaaa 60
 aaaagaggct cggggttgac aaatggtggg gtaacagaaa ggaactggct accgttcgga 120
 ctattttagt tcatgtacag aacatgatca aggggtgttac actgggcttc cgttacaaga 180
 tgagggtctgt gtatgctcac ttcccatca acgttggttat ccaggagaat ggggtctcttg 240
 ttgaaatccg aaatttcttg ggtgaaaaat acatccgcag ggttcggatg agaccagggtg 300
 ttgcttggtc agtatctcaa gccagaaaag atgaattaat cttgaagga aatgacattg 360
 agcttggttc aaattcagcg gctttgattc agcaagccac aacagttaaa aacaaggata 420
 tcaggaaatt tttggatggt atctatgtct ctgaaaaagg aactgttcag caggctgatg 480
 aataagatct aagagttacc tggctacaga aagaagatgc cagatgacac ttaagacct 540
 cttgtgatat ttaaagatg caataaaaga cctattgatt tgg 583

<210> 318
 <211> 424
 <212> DNA
 <213> Homo sapiens

<400> 318
 cttggctcct gtggaggcct gctgggaacg ggactttctaa aaggaactat gtctggaagg 60

ctgtggtcca aggccatttt tgctggctat aagcggggtc tccggaacca aagggagcac	120
acagctcttc ttaaaattga aggtgtttac gcccgagatg aaacagaatt ctatttgggc	180
aagagatgcg cttatgtata taaagcaaag aacaacacag tcactcctgg cggcaaacca	240
aacaaaacca gagtcatctg gggaaaagta actcggggccc atggaaacag tggcatggtt	300
cgtgccaaat tccgaagcaa tcttcctgct aaggccattg gacacagaat ccgagtgatg	360
ctgtaccctt caaggattta aactaacgaa aaatcaataa ataaatgtgg atttgtgctc	420
ttgt	424

<210> 319
 <211> 626
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (593)..(593)
 <223> n is a, c, g, or t

<400> 319	
gatttttttt ttttttttga gatggagtct ttctctgtcg cccaggctgg agtgcagtgg	60
tgaaatctcg actcactgca acctccgtct cctgggttca agcaattctc ctgcctcagc	120
ctcctgagta gctgggatta caggcaccag ccaccacgcc cggctaattt ttgtattttt	180
agtagagaca ggttttccacc atgttggcta ggctgatttt gaactcatga cccaagtga	240
tctgcccgcc tcggcctccc aaagtgtcgg aattacaggt gtgagctacc actcccagcc	300
aatgattaca ttataaggt aaaataactt gtgccaatct gtacaagtga attcagattt	360
aaaattttta ttgtaaaaag atatccaggt gatattttct cctgaataat ttagtttcct	420
tttctatttc ttgatataaa agtactcagc attgaagtaa ttgctatctt cacatttctt	480
cctatttgag ctgtctaaat aagtagtcct acatattttc cccccaacac aaaaaacca	540
gaaaagaatt attttatact ggattttttt ggttgtagca ggaacctaaa ggngccaatt	600
gtaacatgca tgttcttttt ggcaaa	626

<210> 320
 <211> 618
 <212> DNA
 <213> Homo sapiens

<400> 320	
gtccatcctg caggccacaa gctctggatg aggaacttga ggcaagtcac cagcccctga	60
tcatttcgcc taaaagagca aggactagag ttcttgacct ccaggccagt ccctgatccc	120
tgacctaatg ttatcgcgga atgatgatat atgtatctac gggggcctgg ggctgggcgg	180
gctcctgctt ctggcagtgg tccttctgtc cgccctgcctg tgttggtgc atcgaagagt	240

aaagaggctg gagaggagct gggcccaggg ctctcagag caggaactcc actatgcatc	300
tctgcagagg ctgccagtgc ccagcagtga gggacctgac ctgaggggca gagacaagag	360
aggcaccaag gaggatccaa gagctgacta tgcctgcatt gctgagaaca aaccacctg	420
agcacccag acaccttcct caaccaggc ggggtggacag ggtccccctg tgggccagcc	480
agtaaaaacc atggtcccc cacttctgtg tctcagtcct ctgagtcctc tcgagcctcc	540
gttcaaaatg atcatcatca aaacttatgt ggctttttga cttttgaata gggaattttt	600
taaaattttt taaaaatt	618

<210> 321
 <211> 596
 <212> DNA
 <213> Homo sapiens

<400> 321	
ccagcgcagg ggcttctgct gagggggcag gcgagcctt aggaaaccgc agataagttt	60
ttttctcttt gaaagataga gattaataca actacttaaa aaatatagtc aataggttac	120
taagatatg cttagcgta agtttttaac gtaattttaa tagcttaaga ttttaagaga	180
aaatatgaag acttagaaga gtagcatgag gaaggaaaag ataaaagggt tctaaaacat	240
gacggagggt gagatgaagc ttcttcatgg agtaaaaaat gtatttataa gaaaattgag	300
agaaaggact acagagcccc gaattaatac caatagaagg gcaatgcttt tagattaaaa	360
tgaagggtgac ttaaacagct taaagtttag tttaaaagtt gtaggtgatt aaaataattt	420
gaaggcgatc ttttaaaaag agattaaacc gaagggtgatt aaaagacctt gaaatccatg	480
acgcagggag aattgcgta tttaaagcct agttaacgca ttacttaaac gcagacgaaa	540
atggaaagat taattgggag tggtaggatg aaacaatttg gagaagatag aagttt	596

<210> 322
 <211> 534
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (517)..(517)
 <223> n is a, c, g, or t

<400> 322	
gaggaaaggg gagttaatat ttagtggaca gaatttcagt ttacagatg aaaagagttc	60
tggagataga cggtgttgat agttgcacag cagtgtgaat gtgctcattg ttaccgaact	120
taaaaatggt taacatagta ttatgtgatt tttattttgc cacttaaaaa aaaagaatga	180
agtactgata catgctacaa catgggtgag ctttaaatac attctgctca gtgaaataag	240
ccagatgcaa aagatcacat attatataat ccacttatac gagataccta gaataggcaa	300

attcatagag acagaaagta gaatagtggg tcccaggggc tggggacaag ggggcagtga	360
gagattgaga gttattatta atgcgtacag agtttcagtt tgggctgata aaaaagttct	420
gaagatggat ggtgatgatg gttgtacatc aatgtgagtg taattaccgc cactgaactg	480
cccttaaaaa cgtttaaaag agtaaatttt atgttgngta tattttacca taat	534

<210> 323
 <211> 556
 <212> DNA
 <213> Homo sapiens

<400> 323	
tttttttttc ataagaggca agtacaagaa aaagcttaat tactttaact tctaagtagt	60
ttggaatcta aataaatagg agttaccaa tatatgcgct tctgtgaata gttttccccc	120
acatgtttat ttatatTTTT gcattctatc aaacctaaca gattctaaag tctctggtga	180
taatgacaat atctgctacg gagagactag cctgggggaa gaggatctcc ctgaacaagg	240
atagcggagt tgctgcagct ttcaaataaa gctggacatt tagctgcggg ggtagcacc	300
tttgatcaag gcagcccaa gatgagtttc agggatggga ctgacagaag agaaaagttc	360
ttcccagccc ttctactttt ttctctttgt ttctcaggct tctggccgct ttcagttttc	420
acaagtttca ctctcaacc taaacagtac ttctgtgaag taccctttgg cccctcgttt	480
tcagctccta aactcacctg gaaatagatg tcaatctaatt ttgggtctg actagtgcag	540
taggcatttt tggtga	556

<210> 324
 <211> 382
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (349)..(349)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (353)..(353)
 <223> n is a, c, g, or t

<400> 324	
ctcacacaga acaaaaatga atgagtgtgg ctgtgtgcc ctatcactgt gtctacaaaa	60
acagccagtg ggcctgattt ggcccttggc tgcagtgcgc ccgtctctgt ttttgaggaa	120
taaaatcgca tcatttcata tggctaata aatTTTTTt ccatctggaa gcaacatctg	180
attggactca tcttgatagg tgcttggtac agtctctgta aatgggagag ggtccgagaa	240
tagctcttcc tgttttcatc aggactgttt ttagggatgg caaagaagtc agtgtgtcca	300

gcctgtgtcc tcctcaccac gtggctgatt cctgaatctg catgtgcanc acntgccgtt	360
gtctggggca tgatctgtgt ga	382

<210> 325
 <211> 556
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (507)..(507)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (510)..(510)
 <223> n is a, c, g, or t

<400> 325	
cttttctctg ggtatagatt taccctagca cctatctcat tatattgaat tttccagcat	60
atttaaataa actattaatt agtcacacta tttcttaaaa gtcacactat caactaatcg	120
tgaccgcaat tatctagggg tgataatctg ctgagtctac tctttaaata cactgggacc	180
cagcatattg agtttatattg gcacagaaac ttcactctgg gtatagattt accctagtac	240
cttgccggca ggatcctatt attcatgggt gtacaagcaa ggttcaggga agaggctggc	300
acagagaagg tacctggtaa ctgttggttg aggctgaatt cagctcaact cagctccagt	360
agagatggtg tccccttctc taccgtgttg agatagtgtg cagtcccttc ctaagggtg	420
ttaccaccg caataggact tgtcagcttc aacttttaaa tttctctgct cccgctggga	480
cccaccgct tcaaaaatca tcatgngngn tttagcacca atttagtaaa cacaaactgt	540
ctgaaatatt ttggat	556

<210> 326
 <211> 716
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (567)..(567)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (666)..(666)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (698)..(698)
 <223> n is a, c, g, or t

<400> 326
 gaacattcaa gatagtgaga ggaagaaaaa gatatggctg tacgggaccg aggtctcttc 60
 tattatcgcc tcctcttagt tggcattgat gaagttaagc ggattctgtg tagccctaaa 120
 tctgacccta ctcttggact tttggaggat cgggcagaaa gacctgtgaa tagctgggcc 180
 tcagacttca acacactggt gccagtgtat ggcaaagccc actgggcaac tatctctaaa 240
 tgccagggggg cagagcgttg tgacccagag cttcctaaaa cttcatcctt tgccgcatca 300
 ggacccttga ttcctgaaga gaacaaggag aggggtacaag aactccctga ttctggagcc 360
 ctcatgctag tccccaatcg ccagcttact gctgattatt ttgagaaaac ttggcttagc 420
 cttaaagttg ctcatcagca agtggtgcct tggcggggag aattccatcc tgacaccctc 480
 cagatggctc ttcaagtagt gaacatccag accatcgcaa tgagtagggc tgggtctcgg 540
 ccatggaaag catacctcag tgctcangat gatactggct gtctgttctt aacagaactg 600
 ctattggagc ctggaaactc agaatgcaga tcttttgtga acaaaatgaa gcaagaaccg 660
 gagacnctga atagttttat ttctgtatta aaaactgnga ttggaacaat tgaaga 716

<210> 327
 <211> 664
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (586)..(586)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (631)..(631)
 <223> n is a, c, g, or t

<400> 327
 ccactccacc ttactaccag acaaccttag ccaaaccatt tacccaaata aagtataggc 60
 gatagaaatt gaaacctggc gcaatagata tagtaccgca agggaaagat gaaaaattat 120
 aaccaagcat aatatagcaa ggactaacc cttataccttc tgcataatga attaactaga 180
 aatgaggatt ctgaccttga ctttgatatc agcaaattgg aacagcagag caaggtgcaa 240
 aacacaggac atggaaaacc aagagaaaag tccataatag acgagaaatt cttccaactc 300
 tctgaaatgg aggcttattt agaaaacaga gaaaaagaag aggaacgaaa agatgataat 360
 gatgatgagt caggtaaaag ttccagaaat gtgaacaaca aagatttttt tgatccagtt 420
 gaaagtgatg aagacatagc aagtgatcat gatgatgagc tgggttcaaa caagatgatg 480
 aaattgctga agaagaagca gaagaaggaa gcatttctga aatatgaatg aaaaaaatta 540
 catctttaga aaaagagtta ttagaaaaaa gccttggcag ccgtcngggg gaagtgacgc 600
 acagaagaga ccagagaata gcttcctgga ngagaccctg cactttaccc atgctgctgg 660

atgg

664

<210> 328
<211> 641
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (522)..(522)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (532)..(532)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (537)..(537)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (629)..(629)
<223> n is a, c, g, or t

<400> 328
ccgggttttta gtattttaacc aagagccttt taaatattga aaacccatag ttcagaaaat 60
gttagtattg ctgcccttct tcacataaat ttttttttaa attatactat tattttgctt 120
aattttatat tgggttaaaa caaccttcaa gaagggttaac taggaaagaa gacctttttg 180
ttttattttt actattttata tatagaagac aaatcagcat ttggtgatag ttttacetga 240
ccagttatca aacggtcata gtatgaagtg tgcagttggt cattattagt aaattatggt 300
tgatttttaa actattttagt actaatagtt gagatgaaaa ctgaagaaaa atgccaatgt 360
gacgtttgtg tatagctagc cttaaaaaac ttcccatggt tttaggtgac ttttttcccc 420
ctcttagtac tctggagaaa caatgaagat gggccatctc aattccagat gtaaacaata 480
agtaattttt atttcaacat ttaatgtaac tgctattatt gnggattctt gncttgngta 540
ttttctttcc cttattcaag taatatagaa taactttcct taaaatgatt tgatccaaga 600
tacgtcattt ctgtattggc aaaatgccnc tattaaagtg t 641

<210> 329
<211> 132
<212> DNA
<213> Homo sapiens

<400> 329
gttaaagtga tacattttta taccaaagt gtttattttt ttgtgcaagt aatccttaaa 60
attgcaattg tattaggtgt taaaataaag tttttaaaaa attaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aa

132

<210> 330
<211> 666
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (623)..(623)
<223> n is a, c, g, or t

<400> 330
gacaacctta gccaaaccat ttacccaaat aaagtatagg cgatagaaat tgaaacctgg 60
cgcaatagat atagtaccgt aagggaaaga tgaaaaatta taaccaagca taatatagca 120
aggactaacc cctatacctt ctgcataatg aattaactag aaataacttt gcaaggagag 180
ccaaagctaa gacccccgaa accagacgag ctacctaaga acagctaaaa gagcacaccc 240
gtctatgtag caaaatagtg ggaagattta taggtagagg cgacaaacct accgagcctg 300
gtgatagctg gttgtccaag atagaatctt agttcaactt taaatttgcc cacagaaccc 360
tctaaatccc cttgtaaatt taactgttag tccaaagagg aacagctctt tggacactag 420
gaaaaaacct tgtagagaga gtaaaaaatt taacacccat agtaggccta aaagcagcca 480
ccaattaaga aagcgttcaa gctcaacacc cactaccta aaaaatccca aacatataac 540
tgaactcctc acaccaatt ggaccaatct atcacctat agaagactaa tgttagtata 600
agtaacatga aaacattctt ctncgcataa gcctgcgtca gattaaaaca ctgaactgac 660
aattaa 666

<210> 331
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<400> 331
aaagagctcc caaatgctat atctattcag gggctctcaa gaacaatgga atatcatcct 60
gatttanaaa atttgatga agatggatat actcaattac acttcgactc tcaaagcaat 120
accaggatag ctgttgtttc anagaaagga tcgtgtgctg catctcctcc ttggcgctc 180
attgctgtaa ttttggaat cctatgcttg gtaatactgg tgatagctgt ggtcctgggt 240

accatggctg gtttcaaagc tgtggaattc aaaggataaa ttaatgaaga aaacaagcgg	300
agctgaagaa gaaagtacaa tatggtgctg tcttcctaatt gaaataaatt cactaaatgg	360
acattaaaaa	370

<210> 332
 <211> 741
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (612)..(612)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (677)..(677)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (690)..(690)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (703)..(703)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (713)..(713)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (719)..(719)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (726)..(726)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (730)..(730)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (736)..(736)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (739)..(739)
 <223> n is a, c, g, or t

<400> 332
agactcgagc aagcttatgc atgcatgcgg ccgcaattcg agctcggcca cttggccaat 60
tcgccctata gtgagtcgta ttacaattca ctggccgtcg ttttacaacg tcgtgactgg 120
gaaaaccctg gcgttaccca acttaatcgc cttgcagcac atcccccttt cgccagctgg 180
cgtaatagcg aagaggcccg caccgatcgc ctttcccaac agttgcgag cctgaatggc 240
gaatggaaat tgtaagcggt aatattttgt taaaattcgc gttaaatttt tgttaaataca 300
gctcattttt taaccaatag gccgaaatcg gcaaaatccc ttataaatca aaagaataga 360
ccgagatagg gttgagtgtt gttccagttt ggaacaagag tccactatta aagaacgtgg 420
actccaacgt caaagggcga aaaaccgtct atcagggcga tggcccacta cgtgaaccat 480
caccctaate aagttttttg gggtcgaggt gccgtaaagc actaaatcgg aaccctaaag 540
ggagcccccg atttaaagct tgacggggaa agccggcgaa cgtggcgaga aaggaaggga 600
aaaaagccaa anggagccgg cgctagggcc tggcaagtgt acgggcacgc tgcgcgtaac 660
caccacacc ccgccngct taatgccccn ttcagggcgc gtncatgatgc cgnattttnt 720
cttacncatn tgtgcnggnt t 741

<210> 333
<211> 719
<212> DNA
<213> Homo sapiens

<400> 333
taaaataatg gcaaaaaaca aacaaaaaac aagttctcta aacagaaagg aaattactaa 60
agaaggaatc ttgaaataac aggaaagagg aaataccaca gtaggcaaca ttatgggtaa 120
ataaaacaga ctttccttct ttagtttcct aaaatatgtt tgatgattaa tgcaaaaatt 180
acaatatttt cttatgtagc actaaaggta tgtagagaaa atatttaaga taattgtact 240
gtaagcggga gatgacagt acataaaggc aacgttttta tacttctact aaactttatg 300
tattaatgta atccataaag caacaaaaaa agctatacta agtacattca aaaacacaat 360
agataaacca aacaaaattc taaaggatgt acaagtaacc cactggaagc tgcaaaaaat 420
gtaaacagaa actaaaaaca gagaataaat gaaaaattaa aaacgaaatg gcagacttag 480
gccctaatat acaaattatc acattaaata taaatgggtc aaatacacca actgtaagac 540
agagattagc aaagtcgatt taaaaacatg actcaactac gtgctgtcta caagaaactc 600
acttcaaata taccaagata ggaagggtga aagtaaaacg atggaaaaag atgtatcatg 660
tgaacattaa tcaaaggaaa gcaggggtgg ctatattaac atcaggtaaa ataaacttt 719

<210> 334
<211> 603
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (20)..(20)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (548)..(548)
 <223> n is a, c, g, or t

<400> 334
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 tcatacctggt tctggaatcc tcagttcaag gttatcctac gcggagagcc aggtaccaat 120
 ggggtgcgctg caatccagac agtaattctg caaactgcct tgaagaaaaa ggaccaatgt 180
 tcgaactact tccaggtgaa tccaacaaga tcccccgctc gaggactgac cttttttccaa 240
 agacgagaat ccaggacttg aatcgtatct tcccactttc tgaggactac tctggatcag 300
 gcttcggctc cggctccggc tctggatcag gatctgggag tggcttccta acggaaatgg 360
 aacaggatta ccaactagta gacgaaagtg atgctttcca tgacaacctt aggtctcttg 420
 acaggaatct gccctcagac agccaggact tgggtcaaca tggattagaa gaggatttta 480
 tgttataaaa gaggattttc ccaccttgac accaggcaat gtagttagca tattttatgt 540
 accatggnta tatgattaat cttgggacaa agaattttat agaaattttt aaacatctga 600
 aaa 603

<210> 335
 <211> 71
 <212> DNA
 <213> Homo sapiens

<400> 335
 atttatctaa tttttggttt aataaaatgt gaataatgaa aaaaaaaaaa aaaaaaaaaa 60
 aaaaaaaaaa a 71

<210> 336
 <211> 622
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (617)..(617)
 <223> n is a, c, g, or t

<400> 336
 ttttttttta ttttttgaga atggagtctt gctctgccgt ccaggctaga gttcagtggt 60

gcgatctcag ctcactgcc a cctcacctcc taggttccag agattcttgt gcttcagcct	120
cctcagtagt tgagaataca ggaacacgcc accacgccta gctaattttt gtatttttag	180
tagagatggg gtttcaccat gttggccagg ctggtctcaa actcctggcc taagtgaccc	240
acctgcctca gcctcccaa gtgctgggat tataggcgtg agtcattgtc cccagccgga	300
tgttttcatc ttgatttgcc ttagtttcta aatctcatcc tctccatttt ctcctgttag	360
tagtcacaga gaaccaaatt ctgtcaagtt atgaaactaa agtctctctt ccacaagtct	420
tcctgtgttc tgcctcaagt gaacttgaaa gaacatcagt ttgtgggaag gttgaagacc	480
gaatgatctg ctgggaaatc actgaggcat tgccattctc ttgaggaatt tcattttcat	540
cgaagtttcg gtttatatcc ctttcttggg gagtactatt gctgttatgt aaattaaatg	600
agtcgtcatc cttcttntga gc	622

<210> 337
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 337	
gtgaaatcac tttcatggat tattaatgga ttttaagaggg catcaatcag ctcaactcaa	60
gatttcataa tcatttttag tatttagatt gtgcctcaaa gttgtagtac ctcacaatac	120
ctccactggg ttcctgttgt aaaaaccttc agtgagtttg accattgtgc tcttggtctt	180
tgggctggag taccgtggtg agggagtaaa cactagaagt ctttagtaca aaactgctct	240
agggacacct ggtgattcct acacaagtga tgtttatatt tctcataaag agtcttcctt	300
atcccaaggt cttcatgatg ccagtagcca tatatgataa attatgttca gtgataactt	360
agttatcaga aatcagctca gtgggtcttc cgcctatgat tcacatttga tgagttttta	420
aaaatcaaag tgattttgaa aatctctaata ggctcagaaa ataaaaacat ccagttttgtg	480
gatgactata tttagatttc t	501

<210> 338
 <211> 630
 <212> DNA
 <213> Homo sapiens

<400> 338	
ttgtgttttt aggactcctt atctaaatta aggcagagaa gttacagtat ttatatctgc	60
attaaatctc aattccagaa aaaccttttg aaaaattatt taatcctctg gaaactattg	120
atatgataca ggagaaatth tcagaagttt attgaataat ttaatatcat ttaataggac	180
actctggctt gtatataagc agatacgtha ctcagacttc ttggctgtac tctaaaataa	240
tatatgtact agtctcctaa atattactag ctcacctttc aaaatgcata ctaatatttc	300
aatgtctttc ttcaatttga aaagctcttg aatatctact tgtgatagcc ctaagagctg	360

agataattat ttccaggagg ttgaatccct gattcttaac tgttcagcaa tgcataagca	420
agagagaata tgacataaga ggaccatttc tacattagcc attttttttc acaagatacc	480
tatgtgaata cagggcacct gggagggtaa gtggaggact atttctaact atatttataa	540
gcacatactg atattggtga atcaaacct acagcagtgc ttctcagatg ggaagggaga	600
caatgtgtaa ggagatcagg aattcattag	630

<210> 339
 <211> 122
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (4)..(4)
 <223> n is a, c, g, or t

<400> 339	
ccanaatcca ctctccagtc tccctcccct gactccctct gctgtcctcc cctctcacga	60
gaataaagtg tcaagcaaga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa	120
aa	122

<210> 340
 <211> 640
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (110)..(110)
 <223> n is a, c, g, or t

<220>
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 <222> (131)..(131)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (232)..(232)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (316)..(316)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (330)..(330)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<222> (364)..(364)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (379)..(379)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (612)..(612)
 <223> n is a, c, g, or t

<400> 340
 tttttttttt tttttttttc agagtcacag atattgtata gctgaggtaa gcattttaca 60
 actttttcaga cacaagtaag tacataaata ttatttttaca accaacaatn tttaatatatt 120
 ccacattgaa naatagatgt gataattaaa tctttttataa ggtttttaaaa agacatgaaa 180
 cataaaccta attatacata aaagaaaaga atttttaaaca agagcttatt gngatgacat 240
 tactcataac tttttaccttt aaaacctttt cttgggtagc tattcaaaaag taaagaccac 300
 aagtttttggt gcccanattt cttatgtttn gtatatattaa gctcttttatt tattgaacag 360
 atgngtcatt aattcattn gaggcattact attatcagta aaatttgatt tttttttccc 420
 ctcagtcata ggtaaatacag ctccacctgg aatttctaag gaccagttt tagtcaatat 480
 tttcaagtaa tcatgacctc agaaatagtc ttaattaaga taacaaatat tagccatcaa 540
 aatggaacca agacaagatt ctaatgtttg taaacagtca atccatattt atgaatatta 600
 gcatatatattg gngaatagtt aaggcaaaaag ggtctagcag 640

<210> 341
 <211> 667
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (505)..(505)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (557)..(557)
 <223> n is a, c, g, or t

<400> 341
 ttgtgttttt aggactcctt atctaaatta aggcagagaa gttacagtat ttatatctgc 60
 attaaatctc aattccagaa aaaccttttg aaaaattatt taatcctctg gaaactattg 120
 atatgataca ggagaaatnt tcagaagttt attgaataat ttaatatcat ttaataggac 180
 actctggctt gtatataagc agatacgtaa ctcagacttc ttggctgtac tctaaaataa 240
 tatatgtact agtctcctaa atattactag ctcacctttc aaaatgcata ctaatatattc 300

aatgtctttc ttcaatttga aaagctcttg aatatctact tgtgatagcc ctaagagctg	360
agataattat ttccaggagg ttgaatccct gattcttaac tgttcagcaa tgcataagca	420
agagagaata tgacataaga ggaccatttc tacattagcc attttttttc acaagatacc	480
tatgtgaata cagggcacct ggganggtaa gtggaggact atttctaact atatttataa	540
gcacatactg atattgntga atcaaaacct acagcagtgc ttctcagatg ggaagggaga	600
caatgtgtaa ggagatcagg aattcattag tcacctttca gatgggtttaa tgcatacagc	660
tgtaccg	667

<210> 342
 <211> 591
 <212> DNA
 <213> Homo sapiens

<400> 342	
ggagtttgag cagatccttc aggagcggaa tgaactcaaa gccaaagtgt tcctgctcaa	60
ggaggaactg gcctacttcc agcgggagct gctcacagac caccgggtcc ccggccttct	120
gctcgaggcc atgaagggtg ctgtccggaa gcagcgggaag aagatcaagg ccaagatggt	180
agggacacca gaggaagcag agagcagtga ggatgaggct ggcccatgga tcctgctctc	240
cgatgacaag ggagaccatc cccacacccc ggagtccaaa atacagagtt tctttggcct	300
atggtatcgg ggtaaagctg aatcctctga ggatgagacc agcagccctg caccagcaa	360
gctaggggga gaagaggagg cccaaccaca gtctccagct cctgatccgc cctgttctgc	420
cctccacgaa cacctttgtc tgggggcctc agccgcccca gaggcctgac ttaggggtct	480
ggctgtggaa ggatgtgtgg cctcaaatga ggacagggct cccgccttca cagccctcgc	540
caggggtctg cccaatcct ggcctgcatc aggcaaggac ggggtctcag c	591

<210> 343
 <211> 642
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (441)..(441)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (622)..(622)
 <223> n is a, c, g, or t

<400> 343	
gcaagtcttc agtatgtaca tttatcccct agaagaagaa aaattagttg tgcataaaaa	60
agaaacatta actgcaaagc taaatgctca cactctaaat cagtgtcttc caaagtacag	120
caggcgggaa aagaaaatgg tagatTTTTT tcttccaatt actttaactt attctTTTTT	180

atggacactt catacataaa tatattcaca atatattaat atatacataa tgtataagca	240
tacatatattga atgtgcagtc aaaaaatgta ctaatggaat gctctaccaa aacaagttca	300
cgttcatctg taaaatggga ataatatattt taaaaggcat acagtctgaa cttttttaga	360
ttattcataa aatctattca gaaagttaaa ctaaaaaatt taacgtatgc ctataacaaa	420
ttttgtactt aatgtaattg nttttcatcc tgagatctaa tatcctcgtt ttttaagtaga	480
gccacttggt tgctacagtt tagtcaaaac gttaacatta gatgggtaaa gtaatatgaa	540
atctttctac tactccaaaa tagaaaacag aacattaaaa agataaaaaat tcaaacatac	600
ttaccagtag attttcaact gngcaaaagc tcattgcatg gg	642

<210> 344
 <211> 661
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (55)..(55)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (587)..(587)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (590)..(590)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (600)..(600)
 <223> n is a, c, g, or t

<400> 344	
gttttccacc gtgaagagaa catttcctct gggaatgaca aagccctcag gaacngcttt	60
tattttctatt ggaagatgcc catcatactt ctggcaggat aaaatgataa atttatttat	120
tcaacagatg atactcaatt ccctgctggt ttactaaagg ttctttacgt tttatagaag	180
ctaaattttac tgtcatagaa attgcaattg tagatgttac tgtaatctag tcagaatatc	240
cttatccttc taaaataaaa ctagttaaaa ttattaacat acgtactgat attaatTTTT	300
aagtttaatg ctgccacgtg cttctgctaa gaacatttat cactacaagt ggcagaaaat	360
tccaaactca tcaaaaccaa actgttgctt cttccctgct ttttcagaaa atgagaaagg	420
atgactttat tccaacatat tctaaaagta ttccaagaac actaccttta ttctaaattc	480
gttattttca caaaataaag gctgcagatt gaaagataaa ggattgctat taaagaacaa	540
aagaaaacaa aaccgagaga gaaggagagc taggggaaatc cctgcanaan aaccgaatan	600

ggtccctcta ttctgggccg gggcctgaaa ctatgaaaca ggccaacaca gaatcttggc 660
a 661

<210> 345
<211> 661
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (571)..(571)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (600)..(600)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (628)..(628)
<223> n is a, c, g, or t

<400> 345
cctctgactc gctcagctca cccacgctgc tggccctgtg agggggcagg gaaggggagg 60
cagccggcac ccacaagtgc cactgcccga gctgggtgcat tacagagagg agaaacacat 120
cttccctaga gggttcctgt anacctaggg aggaccttat ctgtgcgtga aacacaccag 180
gctgtgggcc tcaaggactt gaaagcatcc atgtgtggac tcaagtcctt acctcttccg 240
gagatgtagc aaaacgcatg gagtgtgtat tgttccagtg gacacttcan agagctggta 300
gttagtagca tgttgagcca ggcctgggtc tgtgtctctt ttctctttct ccttagtctt 360
ctcatagcat taactaatct attgggttca ttattggaat taacctgggtg ctggatattt 420
tcaaattgta tctagtgcag ctgattttta caataactac tgtgttcctg gcaatagtgt 480
gttctgatta gaaatgacca atattatact aagaaaagat acgactttat tttctggtag 540
atagaaataa atagctatat ccatgtactg nagtttttct tcaacatcaa tggtcattgn 600
aatgttactg atcatgcatt ggtgaggnng tctgaatgtt ctgacattaa caattttcca 660
t 661

<210> 346

<211> 115
 <212> DNA
 <213> Homo sapiens

<400> 346
 aaacttttgt ggcaacagtg cactaatttg gataatgttt gttcccaata aattaagagc 60
 caaattgtaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 115

<210> 347
 <211> 634
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (593)..(593)
 <223> n is a, c, g, or t

<400> 347
 gccaggcttt gtgaattaca ggacatttga gacaatcgtg aaacagcaaa tcaaggcact 60
 ggaagagccg gctgtggata tgctacacac cgtgacggat atgggtccggc ttgctttcac 120
 agatgtttcg ataaaaaatt ttgaagagtt ttttaacctc cacagaaccg ccaagtccaa 180
 aattgaagac attagagcag aacaagagag agaaggtgag aagctgatcc gcctccactt 240
 ccagatggaa cagattgtct actgccagga ccagggtatac aggggtgcat tgcagaaggt 300
 cagagagaag gagctggaag aagaaaagaa gaagaaatcc tgggattttg gggctttcca 360
 atccagctcg gcaacagact cttccatgga ggagatcttt cagcacctga tggcctatca 420
 ccaggaggcc agcaagcgca tctccagcca catccctttg atcatccagt tcttcatgct 480
 ccagacgtac ggccagcagc ttcaaaaggc catgctgcag ctctgcagg gacaaggaca 540
 cctacagctg gctcctgaag gagcggagcg acaccagcga caagcggaag ttntgaagg 600
 agcggcttgc acggctgacg caggctcggc gccg 634

<210> 348
 <211> 528
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (362)..(362)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (472)..(472)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (525)..(525)

<223> n is a, c, g, or t

<400> 348
gttgccgggt cctgtgataa ctctgtttta ctttttgagg aactgttgaa tggtttttca 60
cagcagctgc ctcatTTTTT attcccatca gcagtacttc ttggtttctaa tacctccacg 120
ttctcgccaa cacttgttgt tgtctgtaat ttcgttggtta gccatcccag tggggatgaa 180
gtagtatctt actgtgggtt tcagttgcgt ttccctgata attaatgatg gtgaacatct 240
tttcatgttc ttgttggtca tttgtatgtc ttcttgggaa aaaaaaatg tctgttcaaa 300
tccttttaca agtattttatt ttttatgtca acaatataac cactcagtac actgcttttt 360
anacaatgat cttttaaagg tttgtttaca acatttagca cttgaaattt taaggttatg 420
ccctcaaaaa aattgctgag ggagctaagc tatgaagatg caaaggcata anaattatac 480
aatggacttt gggggaatcc agggaaaggg tgggaggggg gtgangga 528

<210> 349
<211> 573
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<400> 349
tcgactctga tttttttttc tccttcctcg cagccgcgcc agggagctcg cgngcgcgg 60
cccctgtcct cgggcccgag atgaatcctg cggcagaagc cgagttcaac atcctcctgg 120
ccaccgactc ctacaagggt actcactata aacaatatcc acccaacaca agcaaagttt 180
attcctactt tgaatgccgt gaaaagaaga cagaaaactc caaattaagg aagggtgaaat 240
atgaggaaac agtattttat gggttgcagt acattcttaa taagtactta aaaggtaaag 300
tagtaaccaa agagaaaatc caggaagcca aagatgtcta caaagaacat ttccaagatg 360
atgtctttta tgaaaaggga tggaactaca ttcttgagaa gtatgatggg catcttccaa 420
tanaaataaa agctgttcct gagggctttg tcattcccag aggaaatgtt ctcttcacgg 480
tggaaaacac agatccagag tgttactggc ttacaaattg gattgagact attcttgttc 540
agtcctggta tccaatcaca gtggccacaa att 573

<210> 350
<211> 659
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (216)..(216)
 <223> n is a, c, g, or t

<400> 350
 tcattttacat taataactcaa aactgctcga ttaagcaggt gctgtttctta tcgccatttt 60
 gcatatgatg agaaagggta aggtcaccca gctagtatgt ggctcacagc aggccttaag 120
 acttggtttg tgtgactcat cagtccacgc tcctaaaacc actaagttgt tctacccttt 180
 aatgttgaat taacattgga tagtgttcaa gtttanatgg gtgggtgagg gcccaaggac 240
 ctttcaaact cagatctctt atttaataac ctggtcccag atccattcct ctgtcgaaga 300
 ggaagtcac cttcagtggc tattcattgt ggggttaaga gcgcagacta tgaattcagt 360
 ctttttgggt ccagtttgc cagaccttga gtgagtgcc cgagtttact tacttgtaaa 420
 ggtaggtgga ggtaatatata ttaaataaac ttaaaaaact aattaaaaac aaaacaaatg 480
 aactaaggtc ttaggatatc tggcgtctat ttgcgccaa atcacataat gtctattgtt 540
 gtgtgttgga ctataggatt gtcctttaac agggaagggt ttatttctgt aatcaagtct 600
 gtcaatatta tgaccatggt gataatagct acctttaatt gagggcttcc atgtgccaa 659

<210> 351
 <211> 517
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (251)..(251)
 <223> n is a, c, g, or t

<400> 351
 tcagtggaaa agggcagggt gaatcaaggt gaatcaatct gaaattgagc acacctgcct 60
 gccatcgctg ttccttcaac tgagtgtgc acatcatggg ctctgtctgt gagagaaaaa 120
 tcccgggtgct tgggtgtcctt gcatgacatg gagttttgca tgtagatcaa tttaaaatgt 180
 acctcttggt tacataatgt gcataatgtt aaaagataat gttgccaaac tttggaaatg 240
 ttaatgttca nactgaaaat ctccactaca tgtaactttc ttcctctgga tcagtggcat 300
 ggcttataat ccagccagt gggttgaact gttccagtgt caactgccat gtgctctgct 360
 tcaaggggga actagccttt tgtgaatgtt ttgtacataa gtatttggtt caaatatgtt 420
 agcaaagtgt ttctatttct cttgcttggt catatcttgg ctggcggttac agaaaaatag 480
 tgtaaacatt atttccttac cggggaatga ggggtttt 517

<210> 352
 <211> 174

<212> DNA
 <213> Homo sapiens

<400> 352
 agcacctggc acagagtagt agctaacaca gatgttaatt ttgctgcgtc aaatgttttc 60
 actttgaatc tctcttgagt attgttctcc ttattgatta catgatgaca tcctgttttc 120
 tctccctgac ctttactgtt tgtttagaaa aaaaaaaaaa aaaaaaaaaa aaaa 174

<210> 353
 <211> 664
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (240)..(240)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (246)..(246)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (480)..(480)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (635)..(635)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (642)..(642)
 <223> n is a, c, g, or t

<400> 353
 cagagagctt gttccctccc tcctgtgca tgcaaacaag agggcatggg agcacacaga 60
 gagatggcag ccacctacaa gccaaagagga gaagcctcac aatcaaaactc tcgctgctgg 120
 cgagagtctt ggactctgtc ttggacttcc agcctccaga ctgtgagaaa caaatttctg 180
 ttgtttcagc ttctcagtct ctggtgtttt gttattgcag cctgagaaca cagctgtacn 240
 attatnaggg aaacagaaaa cactgatact taacaatgct aatgcaatta tttatttgct 300
 tttcagtctc tacaaaacgt tctaaaacac taatctaaat attaacagta aaatatttgc 360
 ataactaatg gaaactaaga aatcatatga ccaatatttc acttattggt aatcttactc 420
 tactgatttc cccccagact gtgatttttg aacttccttg cttttctcct gtctttctgn 480
 gtttattcat ggaattccag ttatctgggc ttgaaattgc aggctctcct aacttaagca 540
 aaatctgaca gatcagcaaa atgagataaa tgtttctttt ttctttctga ctgcattaaa 600
 tcagatacaa ctcagcatta aaaagctatc tttgnaaaat gntggtacta ataaattagt 660

ctta

664

<210> 354
<211> 661
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (493)..(493)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (554)..(554)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (556)..(556)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (644)..(644)
<223> n is a, c, g, or t

<400> 354
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atcacagaag ttgcaaatgc cacaaatcaa ggtctttttc tcttgagaa cctgttaaac 120
atttaccaac tcacgaccgc catgcacca atactgcaat aggtctatag atgcagatac 180
tgtctccatg aatcttatag gctagaaagg aaatagataa gtagtcctac cagaagaaca 240
tgatgaaggc atttgtggta aacagaatga tggcccccca aagatgtcca catcctaadc 300
cctgaagcct atgaatatac tactttactt ggcaaaaggg actttgccac aggtttttta 360
ttaaggacct tgaaatagag agattatcct ggataatcca gatggccccca gtgtaatccc 420
aagggtcctc acaaagggta ggaaggagag ccagagtcag agaaggagac gtagcaatgg 480
aggcagaggt canagagaga tctgcagatg ctgctgtgtt ggctttgaaa atgaggaatg 540
caggtgacct caangngcta gatgatgcaa ggaaacaaat aatctcctat gaaccctagg 600
atgggcatta ttatgagtcc tattttataa acaaggaact gacntccaga aagataaatg 660
c 661

<210> 355
<211> 626
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (55)..(55)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (99)..(99)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (116)..(116)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (219)..(219)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (444)..(444)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (457)..(457)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (564)..(564)
 <223> n is a, c, g, or t

<400> 355
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 agactccatc tcaaaaaaaaa aaaaaaaaaag acaagagtnt ccactctaaa cacttntatt 120
 caacatagtc ctgaaagtcg tagccacagc aatttaacaa gataaagcaa taaaatgtat 180
 tcaaatagaa aaagaggaag tcaaattatc ttactggng atataattct ctacctggga 240
 aacttcaccg aaaaagattt caccaaaaga tttctaagcc taaataatga cttcagcaaa 300
 gtctcaccat acaaaatcaa catacacaaa tgagtagcat ttctgtgcac caataatatt 360
 caagctgaga aaaaagaac atggttctat ttacaatagc tacaacaaaa aaaatatgta 420
 cctagtaata cattaaatca agngngtaaa atatctntac aacaagaact acaaaactgc 480
 tgaaaaaaaa tagagacacg caaataagta aaaaggcact ccatgctcat gaatttaaag 540
 aatcaatata attaaaatgt ccgngctgcc taaagcaact tacagattaa aggctatttc 600
 tctcaaacta taaatgcacc ttttta 626

<210> 356
 <211> 585
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (317)..(317)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (321)..(321)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (406)..(406)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (543)..(543)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (569)..(569)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (571)..(571)
 <223> n is a, c, g, or t

<400> 356
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 ccacatacct tcccacactc atcaccttaa gccagactcg gtgtccagtg aatatgacca 120
 tctcttgccc attttctaata gagtggttttc attaatgagt tataagaatg tgggtgggtaa 180
 atctatgggc tttgaactag tgaatcaact tgggtttcaga atctggcact gctacttact 240
 agtgaattta agcaagttat ttcacctttc agagtgtcag ttccctcatg catacaagga 300
 agataaaaaa taatgtntac naaagtattg gagtaattaa tacatggaga actacatgta 360
 aagcgtttag catgatgtct gacatattaa gcatccaata ttagtngctt gcagaattat 420
 tagtaaaaga gattgcttct gaaagccatt ccaattctta aattttataa tgccacattt 480
 gaggtcacct gaagtcgtgt ataacatgtg tacatttttg cgattttattt tttcaattcc 540
 canattaaag gcatagagat atcctagcna nggactccaa gtgtg 585

<210> 357
 <211> 560
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (477)..(477)
 <223> n is a, c, g, or t

<400> 357
 gtaattgcag cctgggcaac ggagtgagag actgtctcag gaaaaaaaaa agaaaaaaaaa 60

ctactgaggt agttgaatat atcctccatt cccatttgt ggattagtta gtaaattggg	120
catcttaggg tttaaatatg tccagggcca ctgaggatca gatcctaggg ttcctttgac	180
tcaaggcttt tgtctcagca aaacgtcacc ttccagcagg aaggctttct caggcaagta	240
gcagggtggc tactatgtat cgcttcttta ttttttcttt tttaaaataa tgcaggcacc	300
gtgcgcataa tttaaaaaat cagtgcataa acccttaaaa aaaaaaagct gttctcatct	360
cctgtctttc tttttttttt ctttttattt ttttctttta ttattattat actttaagtt	420
ttaggggtaca tgtgcacaac gtgcagggtt gttacatatg tatacatgtg ccatgtnggt	480
gagctgcacc cattaactcg tcatttagca ttaggtatat ctccaatgc tatccctccc	540
ccctccccc tttttttttt	560

<210> 358
 <211> 645
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (76)..(76)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (86)..(86)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (141)..(141)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (213)..(213)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (237)..(237)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (286)..(286)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (309)..(309)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (345)..(345)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (629)..(629)

<223> n is a, c, g, or t

<400> 358

gggaatgtct taggcactgg gactgtaagt gcaaagaccc tgtggcaciaa gggaatgtta	60
attatctacc ttctanaaac tggaanaagg cctagcctag agcattgaaa acaataaggg	120
aaaggaggag taaggctgga nagataggaa tgggtttaaag tctttgttaa aaattttttt	180
aaaaaaatct ttatcacaag aagaggattg gcntgatcaa atttgacttt taaaaanatt	240
acttggtgtg ggcattgatca aatactactt agggagatta gtttanatga taatggcatt	300
ctggaccana gtggagtcag aggtgaaaag aggtagatat tccanaattg agggatttgt	360
gaggtgaaat cttttgttac agatattaaa ggataaggag ctttgtcaaa ggggatctta	420
agtttctggt atggtaactg ggtagagag ccctggaaca tgaccagctt taagggaaga	480
gagcttgagc tctgttcttg ttaagctcag tttgagatct ttgtggaatc aagtggagag	540
gtctaagcag ggaactggct tggctaggct gtaaagatga atctgagagt cccaagaata	600
tggttaattat taataaaagc cttaggtana tgaaattggt ttggg	645

<210> 359

<211> 509

<212> DNA

<213> Homo sapiens

<400> 359

gcaaatctac acatttgatt aaatgatagg gaactatgca cacacataat acatataatg	60
ctagtttctt ggttttgata ttgtaccata gttatgtaag atgtaaccat tgggggaaac	120
tgggtgaagg ctacatgaga cctctctgta cttaatcttt gcaacttatg tgaatctata	180
attattccaa aataaaaagt tttaaagaac ctaagtatcc ttattactga gggtcattcgt	240
gctagacagc aagggttggc cagagcttct agttatttaa aatactaaat accagcctgg	300
gcaacatagc aagaccctgc ctctacaaaa agcaaaaaaa ttagctgggc atggtggtac	360
atgcctgtgg tcctagttac tcttgaggga gtctgaggtg gggagcttga gcctaggagt	420
ttgaggccgc agtgagcctt gattgtgtct ctgtactcca gtctgggcca cagagcaaga	480
cccggctctt aaaaataaat aaataaata	509

<210> 360

<211> 511

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)..(2)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (37)..(37)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (149)..(149)
 <223> n is a, c, g, or t

<400> 360
 antgcactcc agcttggtga cagagggaga ctccatntta aaaaaaaaaa aaaaaaaaaa 60
 aaaggagagta gcttgaagcc acatagtagt tagtggtaaa ggccaccctt tttcccacaa 120
 ctcacaccag caccacaagc tagcctttnt aatttccaag ccagtgccct ttcaacgcac 180
 acaccctgt gtcagttccc tttctgctgc aagctctctg gaggcagata ctgttgagtc 240
 cctggcctgc ctatgagaac ggctcatgat ctctatttct tctgcttaat gaccatctcg 300
 aagtaacaag tttagcctaa aataaacttg ctaagttagc aaaggaagtc cttagcagcc 360
 accatttctc gattcctcca tcacctccc tgccctcaa ctccctcatt tctcccaaga 420
 tatgggctcc aggtgggcg cggtggctca cgcctataat cctagcactt tgggaggctg 480
 aggtgagcag atcactgagg tcaggagttc g 511

<210> 361
 <211> 16
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)..(3)
 <223> n is a, c, g, or t

<400> 361
 tcnttcggaa cgcgcc 16

<210> 362
 <211> 579
 <212> DNA
 <213> Homo sapiens

<400> 362
 ctggagggat gggtaggatt ttgacaagag tggttgaagg tattctaatt cacttagtac 60
 ctacatgtgc gaggcagcat gaaggcaaaa aagcctgggg catgttcaga gaatagcaag 120
 tattctagtt tgagtggcac ctggtacgta tataagggaa tagtaaaaga tctggctgga 180
 aaggaaaagt aggggcaggt tacgaaggac ctctgaaagt cagactgtgg aactggaact 240
 tttatcagga agcagtagtt agttttttca agcaaaagct aattagagtt gatatttagg 300

aggatgaatc taacagttgt gtgcaaggat gccttcaaac tgagtgagac tagtactgga	360
gactgggttaa gagactacaa caataacctg agtaagaatt aatacaggcc tgacctagtt	420
ttgagtgagt aggattggaa acaagagttt taggtattat aggatttatg catataaaat	480
ggacttgaca gaacttgaag aaagagaaaag tgtcaaaagg acacagaaaag tgaggcagga	540
tatcttaciaa tgttaaagga aaggaataat agaagttac	579

<210> 363
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 363	
ggaaacataa gcttgtttca gtacactcac gctgtagatt aattctgata ttacatatct	60
ccatcagact ttgtaccctc tctcttccat cccttaccct taccgattag gttgggtatta	120
cctaaaaatc catagaaaat gtccagggtga attgccttat gctttctacc ccataaggta	180
taatt	185

<210> 364
 <211> 649
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (649)..(649)
 <223> n is a, c, g, or t

<400> 364	
ctctgtggtg tgagaacaca gtgggtgacc aaggctttcc agatgaaccc aaggaaagtg	60
aaaaagctga tgctaataac cagacaacag aacctcagct taagaaaggc agccaagtgg	120
aggcactctt cagttatgag gctacccaac cagaggacct ggagtttcag gaaggggata	180
taatcctggt gttatcaaag gtgaatgaag aatggctgga aggggagtg c aaagggaagg	240
tgggcatttt ccccaaagtt tttgttgaag actgcgcaac tacagatttg gaaagcactc	300
ggagagaagt ctaggatggt tcacaaacta caaagctgaa gaaaatgaag ccctattact	360
tgtttgtaag atttagcacc cttctgctgt atactgtact gagacattac agtttggaag	420
tgttaaactat ttattccctg ttaaaattta acctactaga caatgatgtg agtaccagg	480
atgatttcct ggggcacagt ggggtgaggag atggggacag gtgaatggag gagttagggg	540
agaggaaaag tggatggaag tgtctggaaa gggcaccaaa aaagtcttcc aggtctgatc	600
ctgtttcttg ctctgagtg c tagctaccac tgtgtcacac tgtaacatn	649

<210> 365
 <211> 655
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (607)..(607)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (644)..(644)

<223> n is a, c, g, or t

<400> 365

ctcagctctt gcctggtcac cttgtggctt ttaccatcct catccccctgt gccacccaca	60
tcctgccact tctgcatgga gttgggggtgg ggccattgga gaaaagaggt taaacaagca	120
gtaatttact tgagtacagt ctttgagcca atgaaatgcc agtcatcatt tcccaggggt	180
acttgtcatc ttgtcaacaa cccgctgata atgctccttc aatgtgaata gcaaaagtag	240
ggagagacgc tgaatgaaga agatgcctac ccctcaggaa gactgctgtc cgcctccagg	300
cctgcatgca cacacccatg cccacctgca cccccagcac cacgcccaca ctactcgca	360
cacaccacaca tgccagtgtt ttgggggttg cagcctggac actgctgagg caaacacaag	420
tcataagca taattctcat tctctccttc tgtctctgtt ttagttacag gaatttggtc	480
agtttagagg atttaataag tccgtgga aaattgtttct gtctcttgct acccacgtga	540
aaagtaagtg catgcttcat gatgtgtttt cccactacct tccaggccag ccgagcccac	600
tggccanggc ctggcccggg gacctcgggt gacactgtcc tcangccact cactt	655

<210> 366

<211> 334

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (254)..(254)

<223> n is a, c, g, or t

<400> 366

cagaatttca tgtttatgct gcacaaggcc tgtattttat aatggtggct cttttggacg	60
atgacttcct cgatggtgaa acttccagta atctccctca tcatactgaa atgatatcag	120
tatatcatca gaacacccatg gagcttgtca tttgagggac acagcttgct tgtgtgcttg	180
ggaaagaaga ggttttagcat ggtttcaggt cagtgatgag tccaatgac tctgcaagtt	240
cccttagctc tganaattct gatgtcatat gcacttctgc cgccagagtt gctgcttact	300
ggatgcgtaa gaagaaaaga aaaaaaaaaa aaaa	334

<210> 367

<211> 582

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (506)..(506)
<223> n is a, c, g, or t

<400> 367
cttccattgg gggtaaagat caaaccttttag gcgagccagg tctgtatctc cattcctgtc 60
tctgactgct tccctgtagg gattgtctgc aagcgcacac ctgcattttc ttgtccacaa 120
gtctatgctc taactctgtc acctgcatgg ctgcaaatta gcttccttct tcctgccctc 180
ttctctctag cttggatttt gaatttgaat ggcaggcatg ggatgtccgt gtgtgtgtac 240
tgctgatgtg tacagccgct tgttagcgct ctcatgtgtc tcaaatgtaa gtcatttttg 300
ctgggtgcgg tggctcatgc gtataatccc acgctttggg aggctgaggt gagctgatca 360
tttgagggtta ggagttcgag accagcctgg ccaacatggc aaaactccat ctctacaaaa 420
aatacaaaaa ttagctgggt atggtagtgc acgcctgtaa tcccagctac ttggaatgct 480
gaagcaggag aattgcctga acccangagg cggagggtgc ggtgagccaa gatcacgcca 540
ctgcactcca acctgggtga cagagcaagg ctgtgtctca aa 582

<210> 368
<211> 530
<212> DNA
<213> Homo sapiens

<400> 368
acctgacttc aaactatact acgaggctac agtaatcaaa acagcatggg actagtacaa 60
aaacagacca atggaacaga atagagatct cagaaataaa actgcacatc tacaaccatc 120
tgatcttcaa caaacctgac aaaacgagca atgggggaaag gattccctat ttaataaatg 180
gtgctgggag aactggctag ccatgtgcag aaaattgaaa ctggaccctt tccttacacc 240
ttatacaaaa attaactcaa gatggattaa agacttaa at gtagaacc ca aaacgataaa 300
aaccctagaa gaaaatctag gcaatatcat taaggacata gacatgggca aaaatttcat 360
gatgaaaaca tcaaaagcaa tggcaacaaa agcagaaact gacaaatggg cttctgcaca 420
gcaaaagaaa ctatcgtcag agtgaacaga caacctacag aatgggagac agtttttgca 480
atctatccat ctgacaaaag tctaatatcc agaattctaca aggaatttaa 530

<210> 369
<211> 653
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (596)..(596)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (621)..(621)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (634)..(634)
 <223> n is a, c, g, or t

<400> 369
 caaaaaacaa gaattacccg ggcttggtgg tgcattgtctg tagtcctatc tactcaggag 60
 gctgaggctg aaggatcact tgagcccagg agtttgaggc tgcagtgagt gagccatgat 120
 catgccagtg tactccagcc ttggcagact gagcaaaact tggtcacctg caaaatgttg 180
 aagcccagtt ttactatta acctgtatct cagtttcccc atgctaactt tgaaacactg 240
 gggctggcct gaggggtataa aggcttattc aaactcagta atttaaactt aaaatcctaa 300
 ggaacttcaa aaagtgtaat ctagtccaaa tggggcatca attctaaagc atttgcttgt 360
 ttgagcagat ttctgtgtc tgaggatat agataactta tctttttatg actaaatcca 420
 agtccttagt tcctgttggg attcaaaatc atatttaaaa attgatgctt tgttctataa 480
 ttaatgcttt gattgtataa ataataagta ttcttccaaa tcccttttta cagatgatga 540
 ttctgatacc gagacgtcaa atgacttgcc aaaatttgca gatggaatca aggcngaaa 600
 cagaaatcag aactacctgg ntcccagtc tgncttaaaa attctaactc gac 653

<210> 370
 <211> 595
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (43)..(43)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (157)..(157)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (196)..(196)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (544)..(544)
 <223> n is a, c, g, or t

<400> 370

gaggggtgtag aagagaagaa gaaggaggtt cctgctgtgc canaaaccct taagaaaaag	60
cgaaggaatt tcgcagagct gaagatcaag cgcctgagaa agaagtttgc ccaaaagatg	120
cttcgaaagg caaggaggaa gcttatctat gaaaaancaa agcactatca caaggaatat	180
aggcagatgt acaaantga aattcgaatg gcgaggatgg caagaaaagc tggcaacttc	240
tatgtacctg cagaacccaa attggcgttt gtcatcagaa tcagaggtat caatggagtg	300
agcccaaagg ttcgaaagggt gttgcagctt cttcgccttc gtcaaacttt caatggaacc	360
tttgtgaagc tcaacaaggc ttcgattaac atgctgagga ttgtagagcc atatattgca	420
tgggggtacc ccaatctgaa gtcagtaaat gaactaatct acaagcgtgg ttatggcaaa	480
atcaataaga agcgaattgc tttgacagat aacgctttga ttgctcgatc tcttggtaaa	540
tacngcatca tctgcatgga ggatttgatt catgagatct atactgttgg aaaac	595

<210> 371
 <211> 651
 <212> DNA
 <213> Homo sapiens

<400> 371	
catttccaga gtttatgtga attgaattga actatggttt tatgttactg tcagtagaat	60
gaagtacgaa tatttgaaaa atacaccttc aacttcaaag tgattcttga caaaaattat	120
aaggaatcat tttggacaca ttttctggta gagccttgta aaaattaaaa ccaagtgttg	180
ttttcaagaa gaactgtaat acataatcag gaatttgagt agggagatta ttttgttatt	240
taaaattaaa gtggctgtgt agttttaact ttagtattgc aggtagagta agcttacatg	300
ataacaaaaa tcttggtctt agtgacttaa tgattctgat atttattgat tgattggtta	360
tcattccaaa tattttaaaa gataatagct ggctgggtgc ggtggctcat gcctgtaatc	420
ccagcacttt gggaggccag gacgggcgga tcacgaggtc aggagatcaa gaccatcctg	480
gctaacacgg tgaaaccccg tctctactaa aaatcaaaaa attagccggg tgtagtggcg	540
ggcacctgta gtcccagcta ctcaggaggc tgaggcagga gaatggcatg aacctgggag	600
gcggagcttg cagtgaactg aaatcgtgcc actgcctcca cctggcgaca a	651

<210> 372
 <211> 531
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (243)..(243)
 <223> n is a, c, g, or t

<400> 372	
gtgaggtggg gacttcattc attgtcctat ttctatctcc actttgtgcc tggagagctt	60

tcaggggagg	tggaggagga	gggtctgcca	agctactgca	acatctgtca	cccactatac	120
ccagttactt	gggggaggac	agacactgtg	gtgtcattaa	agttgtttga	accaaagtgg	180
cggctgcata	tttgtcccga	tgctagccgt	gccgggtctcc	catcatccgc	tcgccctcct	240
ttnccttggg	ctgcgcccac	ttgtcttcct	ggatatttgg	gggtgactcg	ccatgcttgg	300
caccctctgc	ttcctggtgc	tgctctgact	cgaagacggg	acagtccctg	gtgcacatcc	360
agggaagagg	agtgtcggtg	gttcttgcag	taggcacttt	atcaggacct	gacctgttgc	420
tgggtgattt	tagtctctac	aaacagaaaag	cgtttcaaag	cgtcagctgt	gggagcagag	480
tgaccctttg	ctgatgctgg	ggggagggga	tctaaatcct	catttatctc	t	531

<210> 373
 <211> 602
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (232)..(232)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (577)..(577)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (589)..(589)
 <223> n is a, c, g, or t

<400> 373	
ggcgcctgct	ggaggaggag agagctctgc tggcatgagc cacagtttct tgactggagg 60
ccatcaaccc	tcttggttga ggccttggtc tgagccctga catgtgcttg ggcactggtg 120
ggcctgggct	tctgaggttg cctcctgccc tgatcaggga ccctccccgc tttcctgggc 180
ctctcagttg	aacaaagcag caaaacaaag gcagttttat atgaaagatt anaagcctgg 240
aataatcagg	ctttttaaat gatgtaattc ccaactgtaat agcataggga ttttggaagc 300
agctgctggt	ggcttgggac atcagtgggg ccaagggttc tctgtccctg gttcaactgt 360
gatttggtt	tcccgtgtct ttcctggtga tgccctgttt ggggttctgt gggtttgggt 420
gggaagaggg	ccatctgcct gaatgtaacc tgctagctct ccgaagccct gcgggcctgc 480
ttgtgtgaac	cgtgtggaca gtggtggccg cgctgtgcct gctcgtgttg cctacatgtc 540
cctggctgtt	gaggcgctgc tttaacctgc acccctncct tgctcatana tgctcctttt 600
ga	602

<210> 374
 <211> 230

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

<400> 374
tttgagacca gcctagccaa catggtgaaa ccccatctct actaaaaata caaaaattag 60
ccgggcgtgg cggcacatgc ctataatccc acttacttgg gaggctgang taggagaatc 120
gcttgaaccc ananaggcag agtttgcagt gagccgagat tgtgccattg cactccagcc 180
tgggcgacag agcgagactc catctaaan aaaataaatg aataaaataa 230

<210> 375
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(2)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (25)..(25)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>
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<222> (150)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

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 <222> (201)..(201)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (218)..(218)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (233)..(233)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (261)..(261)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (286)..(286)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (289)..(289)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (291)..(291)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (322)..(322)
 <223> n is a, c, g, or t

<220>
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 <222> (330)..(330)
 <223> n is a, c, g, or t

<220>
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 <222> (338)..(338)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (349)..(349)
 <223> n is a, c, g, or t

<220>
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 <222> (373)..(373)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (379)..(379)

<223> n is a, c, g, or t

<220>

<221> misc_feature

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<223> n is a, c, g, or t

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gatttaattt tctaagtna cctataattn tcctgtataa aattgcattt gtcacatttt 180

agtatcaagg ttgtcctanc nccatgaaat ggatttanaa tggtttatgt aanataaagt 240

acatttcttc taaaggtttg ngtggttaa ctttcaaadc tgccanagng ngtttttttc 300

cttttttttt ttttttcatt tnaagggagn gcaagtanc tttcaaanc tgatttaatt 360

ttttaaatat	tttcaagtnt	ntttanagtt	tttatttntt	ntngaangtt	aacattttta	420
tanaaaangg	tnttatcttt	ttaaattctt	tgacatcagt	ttcttcanaa	ttccttcttt	480
ttaa						483

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 <213> Homo sapiens

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atgtgtagga	ggaagagctc	aggtagggaa	ggggtgaggg	gtgggggtctg	ggttttcttg	240
tcccactggg	ggtttcaagc	cccaggtaga	agtgttccct	gcctcattac	tgggaagcag	300
catccacaca	ggggctaacg	cagcctggga	ccctgtgtgc	cagcacttac	tcttttgtgc	360
agcacatgtg	acaatgaagg	acggatgtat	caccttgatg	gttgtggtgt	tggggtcctg	420
atttcagcat	tcatgagtca	ggggaaggtc	cctgctaagg	acagacctta	ggagggcagt	480
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 <211> 440
 <212> DNA
 <213> Homo sapiens

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tggccagaga	tggggaacag	ccagggtgcc	cagtcctctg	atttttcctc	catcctgctt	180
accacctccc	tgggtactta	cagccttctc	ttgggaacag	ccggggccag	gactgggtca	240
cctatgagct	gaatcagcat	ctcctcctga	gtcccagggc	ccctgcagtt	cccagtctct	300
tctgtcctgc	agcccttgcc	tctttccac	aggttccact	ttatatccac	cttttccttt	360
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 <212> DNA
 <213> Homo sapiens

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cactgcaaag agtgagccat gcctgttaac actgtaaaga atgtaacatg tgggggacac	180
acaggggcag atgggatggg ttagtttagg attttattag tgcattgcct accctctggg	240
ggaacgtccc atctgaggtt ttctttctcg tgggggggatt taactttctgt cctagggaaa	300
acagtgtctg atgaggagtg tttccaacac aggcctacatg aattccccta taccagtgcg	360
aaagcagcca ggagtccccg ttggaaaaga acaatgccac tctcttttat gtatcttggt	420
tctgcaactc atttgttgta agtaggggta atcgagtatc aggttcacag tatcctgccc	480
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gaccgtccta tcacatacaa aattgttttt tagataaaga tttaaataca ggcactcctt	180
catttgcggtg gtgcaccttg aggtgttgca gaaatgatga gagctgaaac tgcaaagcaa	240
ttttaatact ttatctgttg gaaatcttat agttttcctg tgaccgttaa aattttcatt	300
aaactattaa aaacacccat gactgggtcac aaatgtattg ggaaatggaa aagaattaat	360
acactaaaaa tacaaaaaat agaaaatatt taaaattatc taaaaatttg aaacattaga	420
aaaattgaga actaggcagg gcgtggtggc tcacatctgt aatttttagcc ctttgggagg	480
ctgangcagg tggatcacct gangtcagga gttcgagacc agcctgccaa cgtggggaaa	540
ccccgtctct actgaaaata caaaaattan ccgggcatgg tggcacaagc ctgtaatnct	600
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 cagtccatgc tggtaactnt tgagtattca gtgggtcttt taacaattac caccgtggag 180
 gananagcaa ggaagagaaa tgctgtgatc ttttntctgtt ttttaattagn gaaagaggga 240
 ttanattaaa caaatgtttac agagntgtga ctntgatccc ccagnggtaa gcaataattg 300
 tanagactgg atttnanaag ccctgagagt ttattttcaa cctatntatt atagnncaat 360
 cc 362

<210> 381
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 <212> DNA
 <213> Homo sapiens

<400> 381
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ggtcaaggca ccaggactga 80

<210> 382
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 <212> DNA
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<400> 382
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 ctgcgttcct gttagcataa tgtgaggagg tggagagaca gcccaccccc gtgtccaccg 180
 tgaccctgt cccacactg acctgtgttc cctccccgat catctttcct gttccagaga 240
 agtgggctgg atgtctccat ctctgtctca acttcatggg gcgctgagct gcaacttctt 300
 acttcctaa tgaagttaag aacctgaata taaatttggt ttctcaaata ttgctatga 360
 agggttgatg gattaattaa ataagtcaat tcctggaagt tgagagagca aataaagacc 420
 tgagaacctt ccaga 435

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 ctaagacccc ngaaaccaga cgagctacct aagaacagnt aaaagagcac acccgtctat 180
 gtagcaaaat agtgggaaga tttataggta gaggcgacaa acctaccgag cctggtgata 240
 gctggttgtc caagatagaa tcttagttca actttaaatt ngcccacaga accctctaaa 300
 tccccttgta aatttaactg ttagtcctaaa gaggaacagc tctttggaca ctaggaaaaa 360
 accttgtaga gagagtaaaa aatttaacac ccatagtagg cctaaaagca gccaccaatt 420
 aagaaagcgt tcaagctcaa caccactac ctaaaaaatc ccaaacatat aactgaactc 480
 ctnacacca attggaccaa tctatcacc tatagaagaa ctaatgtag tataagtaac 540
 atgaaaacat tctcctccgc ataagcctgc n 571

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gcgaaactct gtctcaaaaa aaaaaaaaaa aaaaatttgt tgactgttgt aatttaaagc 120

ttgtcatttt ttatttagta ataacactca ttagtgtagt atctatgatg aaccagggttc 180

tgacaaaagt accttatgtt catggcctca tatcgtcttc tccaaaactc tgcaagatag 240

gattcatcac cacttatagg gagagatctg aaagtttaaa attgtaccca aggtcacaca 300

gctggtaagt gccagagctg ggattccgta ggggtgttcan agtgcctctc ctgccgtagg 360

cttatcacia aaagtcaaag tttggtcata ataaagcctg aagtttggca ggatttaaaa 420

atagtcacca nacttttgag ttggagcatc ccacctcact gctgttcacc ttctgtggca 480

gggagagtca tcattttcat ttcagcttgt ggaatatctt gtcattaaca ttctcatgca 540

aaagccattt tatggtgccc aatgaanatg gttaagctac tgccccaagc ctntggaagc 600

cttcctaatt ttggacttgc actatgcaaa ttgnataata ttttctctac cctaagccaa 660

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gcccgcaaat cgaccggttg taaagcacc aggaagcaac tggctacaaa agccgctcgc 180

aagagtgcgc cctctactgg aggggtgaag aaacctcatc gttacaggcc tgggtactgtg 240

gcgctccgtg aaattagacg ttatcagaag tccactgaac ttctgattcg caaacttccc 300

ttccagcgtc tgggtgcgaga aattgctcag gacttttaaaa cagatctgcg cttccagagc	360
gcancatctg gtgcttttgca ggaggcaagt gaggcctatc tggttggcct ttttgaagac	420
accaacctgt gtgctatcca tgccaaacgt gtaacaatta tgccaaaaga catccagcta	480
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ttgtactctg nngacagcct tcttttaaaaa aaaaataaac aattttaaac aaaaaaaaaa	120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa	180
aaaaaaaaaan ttttaacc	198

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ttgtactctg nngacagcct tcttttaaaaa aaaaataaac aattttaaac aaaaaaaaaa	120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa	180
aaaaaaaaaan ttttaacc	198

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 gactgtttta atagacgggc aagggtggaac cttttgaaag atgagctttt gaataataagt 180
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ntttccttnn ccttnaanct accttcccc nattttctcc cctnttcntn aattancatc 180

ctctccnct anntcnanac nttaatggca anactatcta atancnanna taanantcc 240

tgtnnnccac atntcttatt nnncgcnnc ngttncannc ccncagagtn aactcatcct 300

cnncnnaant tcatatcgtg nncntnnnc nntngcgcga natattaann anaccngtan 360

ntnnnanaca nnanntnngn aanaancctt ctnanntttt agcntcnngc nntaacnnnn 420

ntcttngtgn nnnncagct ttncnncat natntncnn cgaantntca nncntctccn 480

cttnaatggn ttcccatgna ttaantncct cgnnnanagc actatcgttn nngagnnnat 540

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 ctgagctgga ttgacatagc ctttggcgga tttaaacaac ctaaacatta agcagtacag 180
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 ggggtggcaa gtgacaatcg atccaatcag tggcatggac gatcctgggg taacaactac 480
 ccgcaacaca gacaagaacc ttactatccc cagcaatatg gacattatgg ttacaaccag 540
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aancgtgcac ctcgggcact caaagagatt cggaaatttg ccatgaagga gatgggaact 180
ccatatgtgc gcattgacac caggctcaac aaantgtgtc gggccaaagg aataaggaat 240
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<211> 503
<212> DNA
<213> Homo sapiens

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cactgagaac atccgccgtg tgttcaacga ctgccgtgac atcattcagc gcatgcacct 120

tcgtcagtac gagctgctct aagaagggaa cccccaaatt taattaaagc ctttagcaca	180
attaattaaa agtgaaacgt aattgtacaa gcagttaatc acccaccata gggcatgatt	240
aacaaagcaa cctttccctt ccccgagtg attttgcgaa accccctttt cccttcagct	300
tgcttagatg ttccaaattht agaaagctta aggcggccta cagaaaaagg aaaaaaggcc	360
acaaaagttc cctctcactt tcagtaaaaa taaataaaac agcagcagca aacaaataaa	420
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<210> 393
 <211> 587
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gatgcaagaa agtctggatg ggtgcagagt tctccatgtt tcacttctga catttgaaaa	180
tacgcagttt gcatttgata cgtcaaattgt tttttttaag aaaaccaata aaatcattaa	240
aaccgaaaag gcagttttgc ttgtttttac cttagttgga gttatctgca attgccgtat	300
tagtgtttta aggaacttgt aagtaagctc cttagtcccc tttagagcta cgaaacatgt	360
caattttact tttctccagc tttttggaat cttatctaaa ttaccatgta gagttctgca	420
tagcttcaaa ttctcttagc caatgtgggtc tgtaagtgtc tatcgatgaa tttcaccgtt	480
aattgccgta gtatactgtc ctgtaccgga tgtgaagagg agcaactctg cacagtgcac	540
tggttgctcc catggttaga angaatggct tatcaatgggt cggatttt	587

<210> 394
 <211> 650
 <212> DNA
 <213> Homo sapiens

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ctgaggaacc cgccgcgccg gcagctgaaa aagttggatg aagatagttt aaccaaacia	120
ccagaagaag tattttgatgt cttagagaaa cttggagaag ggtgagtgtg aagaaactat	180
aggtaggtca ttgggtccca gtctttttcc tgccccagaa gaagcagaag gatatgaacc	240
tttcagcatt gttctaggtg ggggtggaagg taaatttaca gcttgtgatg tccttcttcg	300

ctttactcca atccctatta tagacagatt tagtgattcc tggctctttt aacacgaaga	360
atatctattg ttttctcttt tgtaggatct gtatgatttt atctacttaa cagatagcac	420
taattagatt aaaattctat aagaaacttt ttaatttgct gttcataatt tctgattggt	480
atgcaataac tgtttcaatg aaaatcaatg taatttagta ttttaatat tgcacctttg	540
tgaaatatag taaataaatt aagcactatc accaccttca cagctactta ggagatccac	600
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<210> 395
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 <212> DNA
 <213> Homo sapiens

<400> 395	
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gcagtgtggc cagaattttg aacttctgat gaatgtgtaa tgcaaaggac cttgtacatt	180
tttttgtttc aaggtcctca aaatgagcac atgaagaggt tgctgtgaaa ctttaagtgg	240
ccctactgcg cagaagcatt cagatgtcac ttgatgatct gtaagggaac ttgctgattt	300
gggaatgtgc ttagggaaca cacattcctt ttgacagggt ctgtcactgg gtgggtgatg	360
aattatacag atgacatgtg ctttttttcc ttttttcaac ctcaatggta ttcctacagg	420
aaatggataa ccattttaac tgtatttttt gcagcccgtc ctttcttggg aatacaattg	480
tctaactttt tatttttggt ct	502

<210> 396
 <211> 648
 <212> DNA
 <213> Homo sapiens

<400> 396	
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atttcccact taaaagataa agacatgctg aatggataaa aagctgtcac ccagttatat	180
gctgcctaca acaaactcac ttcacctgta aacatacata tggatggaaa gagaaggcat	240
gggaaaagat actctactca aatgaaaaca aaaaccaaac aaagggtggct attcttatat	300
gagataatac agacattaaa tcaaaaactg gaaacaaaca caaagtcatt gtataatgat	360
gaattcaatt atatcatgat gaattcaatt atatcctcct tcctgatcaa ttcagaaagg	420
aggatataat cttttttaa atataacac ccaaccaccag agcatataaa tatgtaaagg	480
aagataaagg gagtcctgtg atcaagaata aatataacaa ttataaatat tttatctaaa	540
gtgatagata gactgtaata caataatagg gtgggtgacat taacaccccc tctcacattg	600

gactgatcat ctagaaggga gaaaaagctt tatgattgga aaagccat 648

<210> 397
<211> 705
<212> DNA
<213> Homo sapiens

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cgcttggtgc agagcccca ttcctacttc atggatgtga aatgcccagg tgaggagacg 180
gcttgctgta gtggggaaag cactggacct caacagttgg aaaatgttgt agtgttagct 240
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cctgatactc ttaaaatttg aatgtatgag actggcaaag ttttgcattc taggaggagt 360
gattcatttc accgtgatct ctcatcacat ttcacataca acccctacgt ttttttgtgt 420
tgggaaacaa tgtaatggat gatgagttgg gcataagtgc aggaaagacg ggtgtaatag 480
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catgcacaaa cggtagtttt gtgtgttggc tgctccactg tcctctgcca gcctacagga 600
ggaaaagcaa ggcttacaga aggatgttcc ttcaggagga agcagcacta aaagcactct 660
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<210> 398
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (597)..(597)
<223> n is a, c, g, or t

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gggaagtgtt tttgagaagt ctcggtcggg aagggaagtc ttccaagtcc gtgcagcact 180
aacgtatttg cacctgcctc ctcttcggcc acccccaga tgaggcagct gtgactgtgt 240
caagggaagc cacgactctg accatagtct tctctcagct tccactgccg tctccacagg 300
aaaccagaa gttctgtgaa caagtccatg ctgccatcaa ggcatttatt gcagtgtact 360

atttgcttcc aaaggatcag gccctgagaa caatgacctt atttcctaca acagtgtctg	420
ggttgcgtag cagcagatgc ctcagatacc aagagataac aaagctgcag ctcttttgat	480
gctgaccaag aatgtggatt ttgtgaagga tgcacatgaa gaaatggagc aggctgtgga	540
agaatgtgac ccttactctg gcctcttgaa tgatactgag gagaacaact ctgacanca	600
caatcatgag gatgatgtgt tg	622

<210> 399
 <211> 155
 <212> DNA
 <213> Homo sapiens

<400> 399	
cgccacttat ccagtgaacc actatcacga aaaaaactct acctctctat actaatctcc	60
ctacaaatct ccttaattat aacattcaca gccacagaac taatcatatt aaaaaaaaaa	120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa	155

<210> 400
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 400	
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aatactaaag aagattccgg gccgagtatc cacagaagtg gacgcaaggc tctcctttga	120
taaagatgag atggtggcca gagccaggcg gctcatcgag ctctacaagg aagctgggat	180
cagcaaggac cgaattctta taaagctgtc atcaacctgg gaaggaattc aggctggaaa	240
ggagctcgag gagcagcacg gcatccactg caacatgacg ttactcttct ccttcgcca	300
ggctgtggcc tgtgccgagg cgggtgtgac cctcatctcc ccatttggtg ggcgcaccc	360
tgattggcat gtggcaaaca ccgacaagaa atcctatgag cccctggaag accctggggt	420
aaagagtgtc actaaaatct acaactacta caagaagttt agctacaaaa ccattgtcat	480
gggcgcctcc ttccgcaaca cgggcgagat caaagcactg gccggctgtg acttcctcac	540
catctcacc aagctcctgg gagagctgct gcaggacaac gccaaagctgg tgcctgtgct	600
ctcagccaag gcggcccaag ccagtgcctt ggaaaaaatc cacctggatg agaagctttt	660
ccgttggttg cacaacgagg accagatggc tgtggagaag	700

<210> 401
 <211> 479

<212> DNA
<213> Homo sapiens

<400> 401
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atcgtcaaaa agagaaccaa gaagttcatc cggcaccagt cagaccgata tgtcaaaatt 120
aagcgtaact ggcggaaacc cagaggcatt gacaacaggg ttcgtagaag attcaagggc 180
cagatcttga tgcccaacat tggttatgga agcaacaaaa aaacaaagca catgctgccc 240
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aacaaatctt actgtgccga gatcgctcac aatgtttcct ccaagaaccg caaagccatc 360
gtggaaagag ctgcccaact ggccatcaga gtcaccaacc ccaatgccag gctgcgcagt 420
gaagaaaatg agtaggcagc tcatgtgcac gttttctgtt taaataaatg taaaaactg 479

<210> 402
<211> 628
<212> DNA
<213> Homo sapiens

<400> 402
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naaaanccng nttttnaaaa aanttttttn ccncnnttn gggggggggg nttttnancn 360
ntnttngggg gggnncccct nttannaccn ncaaantttt tanttttttg nnaannncc 420
cccttttttn ntttttttg nggggggggg gnngccccc nccttttnggg gggggggntt 480
nngnaaaann acttttnaaa annaagggnn ggggggnanat ncccccccn ggnttttttt 540
tttaaaaant naannggggg gggnnnctna ntnggggcnc ccannggggg nttanaanna 600
ttttctnccc aaacccccng nttttatnnc ccccccccc cncnnngaa ngggnggncc 660
ntttttttta tttttnggn gggnaaaaaa ntttnaaaaa nnannatntt ttttcccccc 720
cccccnctt ttnggnaaan ccnngggggg ntcctttttt aaannnnccc ccaaaaaaaaa 780
ntttttttnt tntntttttc tctnggggnc cnnantntta nanttttncn ccnaaaaaaa 840
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tgttaggcct gagcttgaga gccctggaga gacgtgtgca caaatgtga cctgaggccc 120
tagtctagca agaggacata gcaccctcat ctgggaatag ggaaggcacc ttgcagaaaa 180

tatgagcaat ttgatattaa ctaacatctt caatgtgccca tagaccttcc cacaaagact	240
gtccaataat aagagatgct tatctatctt a	271

<210> 411
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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n is a, c, g, or t

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attgggtcatt ctcgctaaca actgcccagc tttgaggaaa tctgaaatag agtactatgc	180
tatgtttggct aaaactggtg tccatcacta cagtggcaat aatattgaac tgggcacagc	240
atgcggaaaa tactacagag tgtgcacact ggctatcatt gatccagggtg actctgacat	300
cattagaagc atgccagaac agactggtga aaagtaaacc ttttcaccta caaaatttca	360
cctgcaaacc ttaaacctgc aaaattttcc ttttaataaaa tttgcttggtt tt	412

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 <212> DNA
 <213> Homo sapiens

<400> 412	
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tcgccattat ccccagcaaa aagctccgca acaagatagc aggttatgtc acgcatctga	180
tgaagcgaat tcagagaggc ccagtaagag gtatctccat caagctgcag gaggaggaga	240
gagaaaggag agacaattat gttcctgagg tctcagcctt ggatcaggag attattgaag	300
tagatcctga cactaaggaa atgctgaagc ttttggactt cggcagtctg tccaaccttc	360
aggtcactca gcctacagtt gggatgaatt tcaaaacgcc tcggggacct gtttgaattt	420
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cagcttctcg	ggaggctgag	gtggggggac	cacctgagcc	atggagggttg	aggctgcagt	180
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aaata						245

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 <212> DNA
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<400> 414						
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gtactccggc	agggagggtg	acaagcacac	cctgagcaag	aaggagctga	aggagctgat	180
ccagaaggag	ctcaccattg	gctcgaagct	gcaggatgct	gaaattgcaa	ggctgatgga	240
agacttggac	cggaacaagg	accaggaggt	gaacttccag	gagtatgtca	ccttcctggg	300
ggccttggct	ttgatctaca	atgaagccct	caagggctga	aaataaatag	ggaagatgga	360
gacaccctct	gggggtcctc	tctgagtcaa	atccagtgg	gggtaattgt	acaataaatt	420
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 <213> Homo sapiens

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tgcacccctt	aatgacactt	ttgtccatgt	cactgatctt	tctggcaagg	aaaccatctg	180
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tatgttggct	gcccaggatg	tggcccagag	gtgcaaggag	ctgggtatca	ccgccctaca	300
catcaaactc	cgggccacag	gaggaaatag	gaccaagacc	cctggacctg	gggccagtc	360
ggccctcana	gcccttgccc	gctcgggtat	gaagatcggg	cggattgagg	atgtcacccc	420
catccctctt	gacagcactc	gcaggaaggg	gggtcgccgt	ggtcgccgtc	tgtgaacaag	480
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<210> 416

<211> 613
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (23)..(23)
 <223> n is a, c, g, or t

<400> 416
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 cattgacaag acgggagaga atttccgtct gatctatgac accaaggggtc gctttgctgt 180
 acatcgtatt acacctgagg aggccaagta caagttgtgc aaagtgagaa agatctttgt 240
 gggcacaaaa ggaatccctc atctggtgac tcatgatgcc cgcaccatcc gctaccccga 300
 tcccctcatc aaggtgaatg ataccattca gattgattta gagactggca agattactga 360
 tttcatcaag ttcgacactg gtaacctgtg tatggtgact ggaggtgcta acctaggaag 420
 aattggtgtg atcaccaaca gagagaggca ccctggatct ttgacgtgg ttcacgtgaa 480
 agatgccaat ggcaacagct ttgccactcg actttccaac atttttgtta ttggcaaggg 540
 caacaaacca tggattttctc ttccccgagg aaagggatct cgcctcacca ttgctgaaga 600
 gagagacaaa aga 613

<210> 417
 <211> 663
 <212> DNA
 <213> Homo sapiens

<400> 417
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 ctgccattgt ggcccgccac acttaccttg ccaatggcca gaccaagggtg ctgactcaga 180
 agttgtcatc agtcagaggc aatcatatta tctcagggac atgcgcatca tggcgtggca 240
 agagccttcg gggttcagaag atcaggcctt ctatcctggg ctgcaacatc cttcgagttg 300
 aatattcctt actgatctat gttagcgttc ctggatccaa gaaggatcatc cttgacctgc 360
 ccctggtaat tggcagcaga tcagggtctaa gcagcagaac atccagcatg gccagccgaa 420
 ccagctctga gatgagttgg gtagatctga acatccctga taccacagaa gtcctcctcct 480
 gctatatgga tgtcattcct gaagatcacc gattggagag cccaaccact cctctgctag 540
 atgacatgga tggctctcaa gacagcccta tctttatgta tgcccctgag ttcaagttca 600
 tgccaccacc gacttatact gaggtggatc cctgcatcct caacaacaat gtgcagttag 660
 cat 663

<210> 418
 <211> 692
 <212> DNA
 <213> Homo sapiens

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 acaatgtccg gagcccttga tgtcctgcaa atgaaggagg aggatgtcct taagtccctt 120
 gcagcaggaa ccacttagg tggcaccaat cttgacttcc agatggaaca gtacatctat 180
 aaaaggaaaa gtgatggcat ctatatcata aatctcaaga ggacctggga gaagcttctg 240
 ctggcagctc gtgcaattgt tgccattgaa aaccctgctg atgtcagtgt tatatcctcc 300
 aggaatactg gccagagggc tgtgctgaag tttgctgctg ccactggagc cactccaatt 360
 gctggccgct tcactcctgg aaccttccact aaccagatcc aggcagcctt ccgggagcca 420
 cggcttcttg tggttactga cccagggct gaccaccagc ctctcacgga ggcatcttat 480
 gttaacctac ctaccattgc gctgtgtaac acagattctc ctctgcgcta tgtggacatt 540
 gccatcccat gcaacaacaa gggagctcac tcagtgggtt taatgtggtg gatgctggct 600
 cggaagtgc tgcatgctg tggcaccatt tcccgtgaac acccatggga ggtcatgcct 660
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<210> 419
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 <212> DNA
 <213> Homo sapiens

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 <223> n is a, c, g, or t

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 <222> (356)..(358)
 <223> n is a, c, g, or t

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 tgaactgaag caagaagtta tcagtaccag cagcaaggca gaaccacccc agtgcacctc 180
 cctggcctgg tctgctgatg acacaggttg ggcnggnncn cnggggnggn nnngnnnngc 240
 ngngngnncn gnnnnnnnnn ngcnnnngnn nntnnncnnn gnnnnnnnnn nnnnnnnnnn 300
 ngntcnngnn gcngggggccn ggncgncgcg gncgcgnntn nnngggtncn nncncnnngg 360
 cgcgc 365

<210> 420
 <211> 299
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 <213> Homo Sapiens

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 <222> (248)..(249)
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 <222> (251)..(252)
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 gctgaaactt gaaaaaaca agcaaatcaa aaacaggaaa aaattgtacc tgggtactttt 120
 ttttagaaaa aaagattaaa aaagaaagaa taaattcttg tttggaaact tgaaaaaaaa 180
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ttttaaactc 240
 tnnnnntnnc nncnantaan ncanntcna nnnannnaat tacttnnang tnnntcacn 299

<210> 421
 <211> 642
 <212> DNA
 <213> Homo sapiens

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 <222> (29)..(29)
 <223> n is a, c, g, or t

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<222> (178)..(178)
<223> n is a, c, g, or t

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gcaaccctgt ccttgctcaga ggaattggca ggtattcccc atctgccatg tattccanaa      180
aggccatgta caagaggaag tactcagccg ctaaatacaa gggtgaaaag aaaaagaagg      240
agaaggttct cgcaactggt acaaaaaccag ttggtgggtga caagaacggc ggtacccggg      300
tggttaaact tcgcaaaatg cctagatatt atcctactga agatgtgcct cgaaagctgt      360
tgagccacgg caaaaaaccc ttcagtcagc acgtgagaaa actgcgagcc agcattaccc      420
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agcagctggc tagtggctta ttacttgtga ctggacctct ggtcctcaat cgagttcctc      540
tacgaagaac acaccagaaa tttgtcattg ccacttcaac caaaatcgat atcagcaatg      600
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<210> 422
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<212> DNA
<213> Homo sapiens

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<220>
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<223> n is a, c, g, or t

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aagacccccg aaaccagacg agctacctaa gaacagctaa aagagcacac ccgtctatgt      120
agcaaaatag tgggaagatt tataggtaga ggcgacaaac ctaccgagcc tggatgtagc      180
tggttgtcca agatagaatc ttagttcaac tttaaatttg cccacagaac cctctaaatc      240
cccttgtaaa ttttaactggt agtccaaaga ggaacagctc tttggacact aggaaaaaac      300
cttgtagaga gagtaaaaaa ttttaacaccc atagtaggcc taaaagcagc caccaattaa      360
gaaagcgttc aagctcaaca ccctactact aaaaaatccc aaacatataa ctgaactcct      420
cacacccaat tggaccaatc tatcaccta tagaagaact aatgtagta taagtaacat      480
gaaaacattc tcctccgcat aag                          503

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<210> 423
<211> 620
<212> DNA
<213> Homo sapiens

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<400> 423

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gcagcgagac ctccgtgccc gaccatgtcg tctgggtccct gttcaacacc ctcttcatga	180
acacctgctg cctgggcttc atagcattcg cctactccgt gaagtctagg gacaggaaga	240
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<210> 424
 <211> 702
 <212> DNA
 <213> Homo sapiens

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actattttaga tcatccagtc ccaccctgtc attttatgga ggaggaaact gaggcctaga	240
taagataacc agttagtggg tccactgacc tttaggacag tagtctatcc gtaagagaca	300
acatggagaa agaaatacaa cgtttttata gtgaattatc atcttacaaa gaatattctt	360
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cacagagcct gaatgatagt cttatttgag ctcactctgtg cttttaatgt gtactacgtt	540
aggtgttttc acttgcattt cttttagtct tatttgagct catctgtgct tttaatgtgt	600
actacgttag gtgttttcac ttgcatttcc ttgtttgacg ttgacaataa atcgtgaagc	660
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<210> 425
 <211> 632
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (13)..(13)
 <223> n is a, c, g, or t

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ctttgatggt tctcatgcca tcagtttgtt ggaaatgtat gatccaacta gaaatgaatg 180
gaagatgatg ggaaatatga cttcaccaag gagcaatgct gggattgcaa ctgtagggaa 240
caccatttat gcagtgggag gattcgtatg caatgaattt ctgaatacgg tggaagtcta 300
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agaccctctc aaactaacag gcttagtgat gtaattatgg ttagcagagg tacacttggtg 420
aataaagagg gtgggtgggt atagatgttg ctaacagcaa cacaaagctt ttgcatattg 480
catactatta aacatgctgt acatactttt tgggtttatt tggaaaggaa tgcaaagatg 540
aaggtctgtt ttgtgtactt ttaagacttt gggtatttta ctttttgga aagaataaac 600
caagaattga ttgggcacat catttcaaga ag 632

<210> 426
<211> 374
<212> DNA
<213> Homo sapiens

<400> 426
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tacaatacaa caaccaagat atataataac tgtacagtgc ctagacattc cagtaagaac	180
cattattttc tttaatgtag aatgattaat acatattcta caaggggag taagggttagt	240
aattctatag ggtatgtccc gacataatct tcaaattgta caataacaca aacaactttg	300
ttaaggccat gttttatttg ctgattaatg gacaaaaggc aatgtaattt attttcaagt	360
attttcttga aagtctgtgc tcataaaaaat catgaaaagt tggaaagact gttaaatacac	420
tgaaacttca aatatatctt acacaatctt gtttgtacaa aaatacaagt taaatataaa	480
cataaagcaa tcatggtaat tttatgcaaa tctgttttat gtgatcatca gttatatata	540
aaagtttctc agttctgtta tttgtgaaaa gatcaatacc agattgaatg actacctatt	600
ggcaaagggc cctaaaaagc ttacttttagc actcatcttt tacatgggta aatgcatttc	660
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aaccaacaaa taatttggct g	741

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 tatagcaata cagngaactt caccaaattc taaatattca gtacctgaac tggctacaac 180
 accngtgca caccagttc ctgcagaatc tcttgcagat atgggagagt cagccagtga 240
 aaagatccat ttcttgggaa tccttgtcaa caagaccagt tcagaaatcc aggatatata 300

gaagcctact gtaattttaa aacagtaaca aaaaccccaa caaaacccaa atcaacaaag	360
accaagataa agnggtgata aacattaatt gtaatggttt tcctttacat gcaatacatg	420
catttttaaaa tcactaagaa acacgaaatt ttgtagagca aagtttgngt ttcacgtaag	480
tgcaaataa tatatatattt attttttata ctattaaatt atatataatt tttccataca	540
aaagcacaca gtgttaatat ataaaatgac atccaagtgg atgatgattg tttttgcatg	600
tccccctgct tagatttttt taaaatatat agtcaaaaat taacatcctt ctttaaaaat	660
acagaaggga aaaangggca aaaaaaaaaa tctagactcg agcaagctta tgcattgcatg	720
cggccgcaat tcganctcgg ncgacttggc caattcgccc tatagnagat cgnattacaa	780
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 acatggagaa agaaatacaa cgtttttata gtgaattatc atcttacaaa gaatattctt 360
 cccatatcgc actttttaaaa agtgggtacc ttagtcaa ataggagaaaa accacttgag 420
 tagtttcatc ctcagggtttt aggtgaggaa actgatactc agattaaata actttaagca 480
 cacagagcct gaatgatagt cttatttgag ctcactctgtg cttttaatgt gtactacgtt 540
 aggtgttttc acttgcattt cttttagtct tatttgagct catctgtgct tttaatgtgt 600

actacgttag gtgttttcac ttgcatttcc ttgtttgacg ttgacaataa atcgtgaagc	660
tgccttatct aagnagtcct aaagtaaadc attggaacac atgtanccag tttgttgttt	720
ttatttgcca ggtntcaaataa ataactgaaa acccatgcta actgactnat tttaaaagnt	780
gtntggggca tgaaangatt gctctgcctg ggcgggnggt tnancctgng tccccntttt	840
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<223> n is a, c, g, or t

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tgatggttct catgccatca gttgtgtgga aatgtatgat ccaactagaa atgaatggaa 180

gatgatggga aatatgactt caccaaggag caatgctggg attgcaactg tagggaacac	240
catttatgca gtgggaggat tcgatggcaa tgaatttctg aatacgggtg aagtctataa	300
ccttgagtca aatgaatgga gccctatac aaagattttc cagttttaac aaatttaaga	360
ccctctcaaa ctaacaggct tagtgatgta attatgggta gcagagggtac acttgtgaat	420
aaagaggggtg ggtgggtata gatgttgcta acagcaacac aaagcttttg catattgcat	480
actattaaac atgctgtaca tacttttttg gtttattttg aaaggaatgc aaagatgaag	540
gtctgttttg tgtactttta agactttggt tattttactt tttggaaaag aataaaccaa	600
gaattgattg ggcacatcat ttcaagaagt cccctctcct ccacatttgt tttgccatt	660
tgcacattaa atgactcttc cctcaaagt gtactatggg gtaaaagggg tagggnttaa	720
anatgtaaac agttgggttt tttaagggnc ctttttcata actggaacac tctntacaag	780
gntncttntt aaataaataa cttgactttt ttgtttnta aangnancct cntgcttcca	840
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 <212> DNA
 <213> Homo sapiens

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ttacatgtca gtatttggtc aacactttag gcaacttgac tgtcagtggt aaaatggaaa	180
acaggaaaat ggaaaaatct gaccaattct gccacctga gactttcata tagaccttgc	240
acaacaattg tatagatcac acaccggctg tatttaatat gtaacatttt cacacatatt	300
aaagatacag aagtattaaa aaaccccaa tgттаatgta tttgcttaaa aggcacaagt	360
ttcacatatc tgtctagcta tctgttggtata atacagaaag tatactactt ttttaaaaaa	420
gtgggcagaa ttcttgtgta tgtatatgtg tgtgtacagt atgtgtatgt gtgtatatat	480
atatattata tatatagata atatataaat atttttttta aggagaaact agaatgttta	540
gctagaaaat tccacagcct gtgaagaaat atttcaaaat ggccataaag gaggtaaaaa	600
tgaaaacat aacctaactt ttatagaggc tttatcttta atttaacgat gtgcggagga	660
ctttcttgct tgaatctgtt ccgggctgtc tgctctgtcc atcaaattgg caggtctggg	720
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<212> DNA
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 aatctgtggg tttttaatat ggattaaaaa acatctgtgg gtttttaata tggattaaac 240
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 agagtactca aaaaaatctg taaaaataa agaaaggccg ggcgcggtgg ctcacgcctg 600
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<210> 446
<211> 688
<212> DNA
<213> Homo sapiens

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 tttagtgcac acttaatttg atgattaaat atggtagaat taagcatttt aaatgttaat 180
 gtttgttaca ttgttcaaga aataagtaga aatatattcc tttgtttttt atttaaattt 240
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 gaggaaagat ggatttcagt ctgtattttt aaacatcatt tattttaaat ctggtgctga 480
 aaaataagaa aaaaattaaa ctgcattctg ctgttcttct ttagaagcat tcctgcgtaa 540
 atactgctgt aatactgtca tgcaaagtgt atcctttctt gtcgtatcct ttttggggca 600
 gtgttttttt gtttttttcc tagaaatgtt tgtccttccc ccacctgttg atccaggtta 660
 aggaatactt ttttacactt tattcaaa 688

<210> 447
 <211> 724
 <212> DNA
 <213> Homo sapiens

<400> 447
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 ggaagtgttt ttgagaagtc tcggtcggta aggggaagtct tccaagtccg tgcagcacta 180
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 aagggaagcc acgactctga ccatagtctt ctctcagctt ccaactgccgt ctccacagga 300
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 ctgaccaaga atgtggattt tgtgaaggat gcacatgaag aaatggagca ggctgtggaa 540
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 aatcatgagg atgatgtgtt ggggtttccc agcaatcagg acttgtattg gtcagaggac 660
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 aaaa 724

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 <211> 622
 <212> DNA
 <213> Homo sapiens

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 gatgcaggaa gcttaaaccac caacaggata aataaaacaa aatctacgct taagcatatc 180
 atacttaacc tgcagaaaat tacagacaaa gaaaaaacac cagaggggaa gctggcagaa 240
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 gggcctgtaa tcctaacact ttgggaggct gaggcaggag gaccatgagg tcaggagatc 420
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 aatgtttgcc aaaccttadc actgactttt ataacaaaat tattttactat aatcattagg 180
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 gaatcaagct aagctttatt gttgctacta tttgaggcat attagttgac tgggtgttcat 300
 atgcaaggca gtctactggg tgcaacaagg gttagaagga tttttttaaa aaactgaccc 360
 tattctcagg atgaaaataa tacactagta atagtctgct ctgttggtta actcctcgta 420
 aggaggtaca attaaaatgc tgtagtggtg caagggaagg agaggaagaa tcatattcct 480
 tcaactagcag gatcaagaaa gcttttatag aaatatacaa aatcttcact tcttgaagga 540
 ttggtaaaaat ttaatagcca acattgggca cttattcatt ctctgagtaa atattttattg 600
 catgcttadc ttgtatcaag cattgtgatg aaagcacaag aatgaaagag gagggagaat 660
 gtttagagaa taagggctga aacacagatt ttgtagggag cgtaggggag actganaaga 720
 caggttcagg ttagtaaggg cgctcatatt ttgaccctga atgttaacta tgtgcacatc 780
 atgctagcta ttctaaatca ggcattttca aatggaagca ggcactgaca tttt 834

<210> 450
 <211> 624
 <212> DNA
 <213> Homo sapiens

<400> 450
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 gcctgaaatt gaagcccatg gctaggctat gagaacccta gttcgtatag taaagttgat 180
 atcttctgga tgtatactaa ttttaggctt ttttttaaaa ctgctggaaa ctgaaactta 240
 gacaaaagta ttttcaggac atcatttaca atgttttagcc ctaaagagtc aagctgtggg 300
 attctgagtc tttcatatgt tacagcagaa actttaaaagc aagaggaaat tggctgggca 360
 cagtggctct gtaatcccag cactttggga ggctgaggtg ggtggatcat gaggtcaaga 420
 gattgagacc atcctagcca acatggtgaa accccatctc tactaaaaat acaaaaatta 480
 gctgggcgtg gtggcacacg cctgtaatcc cagctagtca ggaggctgag gcaggagaat 540

atcttgaact tgggaggcag aggttgcagt gagccaagat tacatcactg cactccagcc	600
tggtgacaga gcgagactcc gact	624

<210> 451
 <211> 966
 <212> DNA
 <213> Homo sapiens

<400> 451	
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agaaagcaaa agaataaagg atgggctgac accagaagga attaaaggaa tttttatact	120
gaacttcaat tacttgttca tttgaagttt gtttttttaa tgaacgtttt tgctgttact	180
taaatatagt gttttgaaag tgtttcaa atgtattcaagt tgggattttc catatttttac	240
tacagttctg tcttagtatg ttcaccataa aacacttattc attaaagctc acaaagtgtc	300
tttttgta atgaggataa aatgaagcca tataagaatt tttttatatc tgtacattta	360
accacattt gagcttttagc caaatatat agcttttttt tttctgacct ggccaacgta	420
ttatccagca aacatcaact gaagcaatat ggaaacactt ccaaagtgtt gccataatg	480
ctattaagt actgatgtca acattagtta catggcaaac taaagaggca ttatacattt	540
ttaaaacaca ctaacatata actgtagata atgtaagggtt tatttatatg catatttcat	600
agtatattta aatgttttaa tataaaaaag ggttttttaa cactttta ttttatcttt	660
gatttttttt attgatatct ctttccaggc tactaataaa attgccagaa ctaaactatc	720
aggtaaagg taaggcatca attgacaagt aagttttcta atttcgtttt gaattacaat	780
tccaaatgta agacttttaa aaatgaatgg cttttatttt atagaataat tttgaccttt	840
taaatttact tatctaact tatataatga atgtacttca aatatttgac tttgaagtca	900
acattaacaa attcatggat cctaattaaa atttactata aaactggaat cttttattac	960
ttcctt	966

<210> 452
 <211> 725
 <212> DNA
 <213> Homo sapiens

<400> 452	
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tgtttggttat ttccagtttt gggctataat ccaaaatgct tttttcaaac aataggctat	180
atatcattaa tgtccgttta tcagcagtat aaaatatctt accataaata ttaataaaaag	240
aagcattcat atataaaata tagatatttc aaacctaca gagggccttt taatgattaa	300
atattttgtc cttacaaaaa ggtccaggta attacacca tgagggttaac ctgccttagt	360

gcaggactta aaataaggct tctcctgcca tctctctcca tttgtagaat gtgaaattct	420
ttaaaatgca tcctatatta ggaatactat agctgtgcac tgggtgtttgt tctcttcttt	480
aaactcggga ccgtatatat ctgctcaaat tgcccaagta tacatatgct gcactccatc	540
aagtgtcagg ccacattcta tcagcacagc gtgactgcct atcagtgaca atataagtga	600
gctctatttg gatccctctt accctacctt ttatatattat gacagcatta tcataaaact	660
ccaatattct tcaataactt acatgtttgt tgtaggataa aattattacc ctcaatgaac	720
tacat	725

<210> 453
 <211> 715
 <212> DNA
 <213> Homo sapiens

<400> 453	
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acagacaatg ggtccacgtc ctgcagctgc agccgctgca gctactcctg ctgtccgcac	120
cgttccacag tataaatatg ctgcaggagt tcgcaatcct cagcaacatc ttaatgcaca	180
gccacaagtt acaatgcaac agcctgctgt tcatgtacaa ggtcaggaac ctttgactgc	240
ttccatgttg gcatctgccc ctctcaaga gcaaaagcaa atgttggggtg aacggctggt	300
tcctcttatt caagccatgc accctactct tgctggtaaa atcactggca tgttggttga	360
gattgataat tcagaacttc ttcatatgct cgagtctcca gagtcactcc gttctaagggt	420
tgatgaagct gtagctgtac tacaagccca ccaagctaaa gaggctgccc agaaagcagt	480
taacagtgcc accggtgttc caactgttta aaattgatca gggaccatga aaagaaactt	540
gtgcttcacc gaagaaaaat atctaaacat cgaaaaactt aaatattatg gaaaaaaaac	600
attgcaaaat ataaaaataa taaaaaaagg aaaggaaact ttgaacctta tgtaccgagc	660
aaatgccagg tctagcaaac ataatgctag tcctagatta cttattgatt taaaa	715

<210> 454
 <211> 573
 <212> DNA
 <213> Homo sapiens

<400> 454	
acattctgga aaaggcaaaa gggaggaaga actgattagt ggtagccca gggtagagt	60
tggggagagg atataatgag ggaacttttg tggattctgt accatgatta tgattacaca	120
aacctatgca tacattgaaa cacatagaac tatacgttga aaaaagtga tctgcctgta	180
tgtaaaattta aaagaaaaat atttttttta aaaaacagat gcttcttaac acattatcat	240
ctatgtcagt ttaacagtta gtagacttag gccagggtgc atggctcact cctgtaatcc	300
cagtgccttg ggagtctgag gtgggacgat ctcttgagac taggaggagg tttgagacaa	360

acctaggcaa	tgtaatgaga	ctctttctct	acaaaaaatt	ttaaagttat	ctggacatgg	420
tggtgcctgc	ctgtagtccc	agctacttgg	gaggctgagg	tgggaggatt	ccttgagccc	480
agaagttcaa	ggctacagtg	tgctatgata	gagccactgc	actccagcct	gggcaaccag	540
gtgagacctt	gtctctaaaa	tgaataaata	aat			573

<210> 455
 <211> 498
 <212> DNA
 <213> Homo sapiens

<400> 455			
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gatttagaat	tcacctaagt	ccaaaggaaa acacgtgggt tttaaagcca ttaggtaaaa 180	
aaagttctca	ataaaggcat	tacaattttt taggtttaga aagatggact tttctgataa 240	
atcttggcag	acatctaaaa	aaaaaaccat atttttcaca agaaaatgca agttactttt 300	
tttggaata	atactcactg	attatggata aaatggaata ttttcagata ctatattggc 360	
tgtttcaaaa	tagtactatt	ctttaaactt gtaatttttg ctaagttatt tgtctttggt 420	
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taaaaaattt	ttttttgt		498

<210> 456
 <211> 732
 <212> DNA
 <213> Homo sapiens

<400> 456		
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tgatgtggct	ttgaagaact	ttgccaaata ctttcttcac caatctcatg aggagaggga 120
acatgctgag	aaactgatga	agctgcagaa ccaacgaggt ggccgaatct tccttcagga 180
tatcaagaaa	ccagactgtg	atgactggga gagcgggctg aatgcaatgg agtgtgcatt 240
acatttgga	aaaatgtgaa	tcagtcacta ctggaactgc acaaactggc cactgacaaa 300
aatgaccccc	atgtgagtat	tggaacccca ggaaataaat ggaggaaatc atttgcctta 360
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ttgagacaca	ttacctgaat	gagcaggtga aagccatcaa agaattgggt gaccacgtga 480
ccaacttgcg	caagatggga	gcgcccgaat ctggcttggc ggaatatctc tttgacaagc 540
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gggtgacttc	cctggtcacc	aaggcagtg atgcatgttg gggtttcctt taccttttct 660
ataagttgta	ccaaaacatc	cacttaagtt ctttgatttg taccattcct tcaaataaag 720

aaatttggtgta cc

732

<210> 457
<211> 465
<212> DNA
<213> Homo sapiens

<400> 457
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gtctgacaaa cccgatatgg ctgagatcga gaaattcgat aagtcgaaac tgaagaagac 120
agagacgcaa gagaaaaatc cactgccttc caaagaaacg attgaacagg agaagcaagc 180
aggcgaatcg taatgaggcg tgcgccgcca atatgcactg tacattccac aagcattgcc 240
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ttaaatagact gtgctgcccc ttccacatca aagaactact gacaacgaag gccgcgcctg 360
cctttcccat ctgtctatct atctggctgg caggggaagga aagaacttgc atgttggtga 420
aggaagaagt ggggtggaag aagtggggtg ggacgacagt gaaat 465

<210> 458
<211> 788
<212> DNA
<213> Homo sapiens

<400> 458
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attccttaaa gtatgtgata attgctcatc actatccaag tgtgacataa atcataaaaa 120
gaattgacaa aatcaggggtc gcaaagagaa ttgaaaaaaa tctgtcacia ccaaaattta 180
aattgacctc tgtcctagag tatgagagcc aactgaaca gaaaaaccag ataaatcttt 240
tataaaatat tcatttgcag ccccatthaac gttgcttgtc accccacctc cccatgtcct 300
tggaacaaact gaatgtatag taacatcatc ccaggccagg cgcggtggct catgcctgta 360
atcccagcac tttgtgaggc taaggcaggc agatcaggag gtcaggagtt caggaccagc 420
ctggccaaaa aggtgaaact ccgtctctac taacaataca aaaattagct ggggtgcggta 480
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aagactctgt ctcggggagg ggggtggcgg agataaagaa ataacatcat cttatactgt 660
caagctcaag gtgtctgcag ccttatcttc aggggaagtt gtgtctttct caggggaagat 720
acagatttca atttagagca agacagagag aagttacatt cagagaggaa aatgcagtag 780
tctaactg 788

<210> 459
<211> 423

<212> DNA
 <213> Homo sapiens

<400> 459
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 tttgatcttc cttatgtcct cctattgagt tgatcagctt tctttattct tgccttttct 120
 cctctgtgtg ccctttctat taacgtatctt acccttaggc tgggcacaat ggctgatgcc 180
 tgtaatccct gcactttggg aggccgaggc aggtggatca cctaaggcca ggagttcaag 240
 accagcctgg ccaacatggg gaaacctggg ctctactaaa aacacaaaaa ttagccaggc 300
 atggtggtgt gcacctgtaa tcccagctac tcaggaggct gaggcaggag aattgcttga 360
 acctgggagg cggagattgt gccaaagcac tccagcctgg gcaacaaaat gagactttgt 420
 gtc 423

<210> 460
 <211> 231
 <212> DNA
 <213> Homo sapiens

<400> 460
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 tccttcagcc tgtccatcaa cacagcattg cgggacccct accatggcat ccagccctgg 120
 agatgcttca ggaaagtgtc aggtccatgc tgcaggacag gctcagatca gcagagacgc 180
 atctcacatc gggctgtgaa attcaagttg agctgcaatt ggcaatgaga a 231

<210> 461
 <211> 687
 <212> DNA
 <213> Homo sapiens

<400> 461
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 gcacactatt caccgctcac cctagcattg aagccagcct gtagcctgaa agcctttgct 120
 ttgagggcag gtctttcccc aaaatgcaga cacgaagggtg caaagtgaag ctgccagtct 180
 tgcaaaagat gtaacttgtc acgaaggcca cgagtggcag ggagagctgt cccacatttg 240
 cggaagtggc tatgtgagga cgggggaggc ggggtccctta gagatgagac aatcataagg 300
 ggagatatca gagaaaatcg taaggggagc agatgggtgt caagagaata ggctgacct 360
 cgaaggactg gcagaagctt tcagaaaacc actggacggc tgggcacagt ggcttaggcc 420
 tgtaatccca gcactttggg aggttgacgc aggtgaatca cttgaggtca ggagttccag 480
 accagcctgg ccaacatggg gaaaccccat ctctacagaa aatataaaaa ttagccaggc 540
 gtggtggcac aagcctagaa tcccagctac ttgggaggct gaggcaggcg aatggcttga 600
 acccaggagt cagaggctgc agtgagtcga gattgttcca ctgcactcca gcctgggtga 660

cagtgaaga ctccttccaa aaaaaaa

687

<210> 462
<211> 874
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (717)..(717)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (754)..(754)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (810)..(810)
<223> n is a, c, g, or t

<400> 462
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acccggccta aggtccctgt cttgcagctg gatagcggca actacctctt ctccactagt 180
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gccgacattg ttttgtgggg agccctatac ccattactgc aagatcccg cttacctcct 480
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cgagctgcag agactgtact gaaacagcaa ggtgtcctgg ctctccggcc ttacctcaa 600
aagcagcccc agcccagccc cgctgaggga agggctgtca ccaatgagcc tgaggaggag 660
gagctggcta ccctatctga ggaggagatt gctatggctg ttactgcttg ggagaanggc 720
ctagaaagtt ttgccccgc tgcggcccca gcanaatcca gtgttgctg tggctggaga 780
aaggaatgtg ctcatcacca gtgccctcn ttacgtcaac aatgtcccc accttgggaa 840
catcattggt tgtgtgctca gtgcccgatg tctt 874

<210> 463
<211> 585
<212> DNA
<213> Homo sapiens

<400> 463
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aaaaaaatta aattaaata taataaat	cttgccgggc gcagtggctc acacctgtaa	120
tcccagcact ttgggaggcc gaggtgggcg	gatcacgaag tcaggagatt gagaccatcc	180
tggctaatac agtgaaaccc cgtctctact	ataaatacaa aaaattagct gggcatggtg	240
gcgggcgtct gtagtcccag ctactcagga	gtctgaggca ggagaatggt gtgaacccgg	300
gaggcggagc ttgcagtgag ccgagatcgt	gccactgcaa tccagcctgg gcagcagaac	360
gagactccat ctcaaataaa taaataaata	aatgaat	420
cattttcctt ttatttaaac atctggcata	agttggtaag tatgtgaagt ttatcatata	480
ttcttatgcg aattattatt ttgcctttt	ttttataat tctgtctggg atttgaatag	540
tagagtttga attcaggaag gacacctgtg	ataggacaat aaaat	585

<210> 464
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 464		
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aaactgaggt tcaacaatat tgtatttgag	atgggaaagt taaagaaatg caataatgta	120
aataatactt aagaaaataa gatctcagga	aactgtgtat actctgtact tttatgcaac	180
tttatcagat catttcagta tatgcatcaa	ggatatagtg tatatgacat gaactttgag	240
tgcaaaaact gtactatgta ccttttgttt	attttgctgt caacatctaa ataaagggtt	300
ttttg		305

<210> 465
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 465		
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tgaagggtgac ttaaacagct taaagtttag	tttaaaagtt gtaggtgatt aaaataat	120
gaaggcgatc ttttaaaaag agattaaacc	gaagggtgatt aaaagacctt gaaatccatg	180
acgcaggagg aattgcgta tttaaagcct	agttaacgca ttactaaac gcagacgaaa	240
atggaaagat taattgggag tggtaggatg	aaacaatttg gagaagatag aagtttgaag	300
tggaaaactg gaagacagaa gtacgggaag	gcgaagaaaa gaatagataa gatagggaaa	360
ttagaagata aaacatact tttagaagaa	aaaagataaa tttaaacctg aaaagtagga	420
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<210> 466
 <211> 833
 <212> DNA

<213> Homo sapiens

<220>

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<222> (7)..(7)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (830)..(830)

<223> n is a, c, g, or t

<400> 466

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ggtgtaggaa ggctgtggat gaagacgctt acattcatga aggatttgga taggcgaaca	180
tgagcttttc caccaaattt cagaatttta agaaatgcct taaattattt cttaaaaatc	240
aatttggggc agacgagaag ttctgataat agtttttagg gaacatgata aaattctgac	300
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cacggctatt taagaaagag ttactaaggg aaaccagaat gacttaagag tgttactctt	420
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aatctgggct tcttggacca tgggttagac tttcttacia aaccataata tgcatttcct	540
agcaaaattt atgctattac atttccttat ctcaacaaag actggtaaata tcagtactta	600
ttcctcaatt ttcctaccct taaaatgggg atattctgcc tctccaagga atgctgggaa	660
caagcaagtc ctcatgttag gggctcttga gttttcatgg aagtttaggt tatttatatg	720
atgacatagt tgtcaactta ctttcaggat ggacttttct tttgtgagtt tgtgacctaa	780
atacaatagt tgttatgcat gtccagttta tggaagtacc actgcaatan cag	833

<210> 467

<211> 594

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (54)..(54)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (83)..(83)

<223> n is a, c, g, or t

<400> 467

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atatcaaaaa aattaaatta aangataata aatttcttgc cgggcgcagt ggctcacacc	120

tgtaatccca gcactttggg aggccgaggt gggcggatca cgaagtcagg agattgagac	180
catcctggct aatacagtga aatccccgct tctactataa atacaaaaaa ttagctgggc	240
atgggtggcgg gcgtctgtag tcccagctac tcaggagtct gaggcaggag aatgggtgtga	300
acccgggagg cggagcttgc agtgagccga gatcgtgcc a ctgcaatcca gcctgggcag	360
cagaacgaga ctccatctca aataaataaa taaataaaat gaatttcagc tagaagagcc	420
ttattccatt ttccttttta ttaaacaatct ggcataagtt ggtaagtatg tgaagtttat	480
catatattct tatgcgaatt attattttcg cctttttttt tataattctg tctgggattt	540
gaatagtaga gtttgaattc aggaaggaca cctgtgatag gacaataaaa tcta	594

<210> 468
 <211> 112
 <212> DNA
 <213> Homo sapiens

<400> 468	
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caaaatttgt tacagaatac ctgcatatta atatttcaag gtatggatta at	112

<210> 469
 <211> 40
 <212> DNA
 <213> Homo sapiens

<400> 469	
ctgagtatta actaaaaaaaa aaaaaaaaaa aaaaaaaaaa	40

<210> 470
 <211> 933
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (740)..(740)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (801)..(801)
 <223> n is a, c, g, or t

<220>
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 <222> (878)..(878)
 <223> n is a, c, g, or t

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gttcccttgg gtcttaagag actcactgtt ggaccaggcg tggtgactca cgcctgtaaa	120
accagcactt tgggaggccg aggcgggagg atcagttgag gtcaagagtt caagaccagc	180

ctgaccaagg	tgctgaaacc	ccgtctctac	taaaaataca	aaaattagcc	aggcatggtg	240
gtgtgcgctt	gtaatcccag	ctactccaga	ggctgaggca	ggagaatctc	ttgaaccag	300
gaggtggagg	ttgcagttag	tcgagatcat	gccactgcac	tccagcctgg	gtgacagagc	360
gagactccgt	cttagaaaaa	aaaaaaaaaa	aaaaaagaac	ctcacagtcc	agcagggttc	420
tagcatgaga	caatgaggac	aagggtaggt	gagcaggtgg	aaagagttag	aacagggtcaa	480
ttgtgatgga	gaaaataata	aagacagaaa	aggcagaaga	ctgcctggca	gaagacctgt	540
cccagcagat	acaaaaatac	agacaacagg	agccagcata	gacccttgac	ctgtgtaagt	600
ctttctcagg	ccttctttta	agtagaaaca	tgcctttgaa	aaaaagtttt	aataaacagg	660
aaaatcataa	atccctatct	acataaataa	tatatcctgg	tcttattctt	aaaaccattg	720
atctttcacg	gctcattaan	aaagctgggc	gaggtggctc	acgcccgtca	tcctagcact	780
ttgggaggcc	gaggcgggca	natcacaagg	tgaggagttg	ggagaccagc	ctgaccaaca	840
cggtgaaacc	cagtctctac	taaaaataca	aaaattanct	gggggtggtg	gtgtgtgcct	900
gtaatccaag	ctactcggga	ggctgaggca	gga			933

<210> 471
 <211> 896
 <212> DNA
 <213> Homo sapiens

<400> 471	
cttactacct	ccaacatgaa acaagcagcc ccgcacttct cgaagggtctg agttacttgg 60
aatcgtttta	ccacatgatg gacagaagga atatttcaga tatctctgaa aacctcaagc 120
gttaccttct	tcagtatttt aagccagtga ttgacaggca aagctggagt gacaagggtc 180
cagtctggga	caggatgctc cgctcggctc tcttgaagct ggcctgtgac ctgaaccatg 240
ctccttgcat	ccagaaagct gctgaactct tctcccagtg gatggaatcc agtggaataa 300
taaatatacc	aacagatggt ttaaagattg tgtattctgt ggggtgctcag acaacagcag 360
gatggaatta	ccttttagag caatatgaac tgtcaatgtc aagtgttgaa caaaacaaaa 420
ttctgtatgc	tttgtcaacg agcaagcatc aggaaaagtt actgaagtta attgaactag 480
gaatggaagg	aaaggttatc aagacacaga acttggcagc tctccttcat gcgattgcca 540
gacgtccaaa	ggggcagcaa ctagcatggg attttgtaag agaaaattgg acccatcttc 600
tgaaaaaatt	tgacttgggc tcatatgaca taaggatgat catctctggc acaacagctc 660
acttttcttc	caaggataag ttgcaagagg tgaaactatt ttttgaatct cttgaggctc 720
aaggatcaca	tctggatatt tttcaactg ttctggaaac gataacaaaa aatataaaat 780
ggctggagaa	gaatcttccg actctgagga cttggctaata ggttaataact taaatgggtca 840
atagaaaaag	taggctgggc gcggtggctc acgcctgtaa tcccagcact ttggga 896

<210> 472
 <211> 158
 <212> DNA
 <213> Homo sapiens

 <400> 472
 aaaattttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 tttttttttt tttttttttt tttttttttt tttttttttt ttttttttca gtgttaaagt 120
 aggtttgtcg acgcggccac gaatttcccg gggaccaa 158

<210> 473
 <211> 896
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (58)..(58)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (102)..(102)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (112)..(112)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (159)..(159)
 <223> n is a, c, g, or t

<220>
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 <222> (234)..(234)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (236)..(236)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (293)..(293)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (322)..(322)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (434)..(434)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (476)..(476)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (483)..(483)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (502)..(502)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (548)..(548)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (556)..(556)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (781)..(781)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (813)..(813)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (868)..(868)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (896)..(896)
 <223> n is a, c, g, or t

<400> 473
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 ttcggaaacg gagtctcgct ttctcgccca ctctggagtg gngcagtggg gnggtctcag 120
 ctcaccacag cctccacctc ctgggcccac gcgatcctnt cacctcagcc tcctgcgtag 180
 ctgggactac aggcggtgcac caccattccc aggtaatttt tgtatttttt gtananacag 240
 ggttttactg ttgttgccca ggctgggtctc gaactcctgc ttcagtctgc canaatgctg 300
 gattctaggc gtgagccacc gngcctggcc caaaagttac ttttcttaca gaagcaaagc 360
 tttaatgcat tttactgaat gcttatagct ttgtagatac tgaaaagagt atgagcgtca 420
 catacagaca catntaacag cactgcctcc aaccagcccc taccactgg tcaggngagt 480
 aanaatcaaa attcttttct gngagtggaa cggaaatttc atctctcctc ctcaggcaag 540

tagttaanag gctgngngga gtcattggccc cattttgttc aaaatacaag ctccacagga	600
acaaaaggct gaactgctca cctcccaact gatgaacctc gtctttgttc catgtcaaag	660
gggcctttgt gttactgcag cagaaactcc agctatcaaa ccatcaggca ccaaaagtaa	720
aactcctttc tctaaaaaga cctctcttta cctgagcctt tcaatgcatac ttgccccca	780
nataatcctg gatgagataa tccccagagg aanaccagcg cttgcctagt gaaattatac	840
tatgagacaa gggtaaaaga cctcaaanac cgggttggca ggtaaggagg tagggg	896

<210> 474
 <211> 350
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)..(3)
 <223> n is a, c, g, or t

<400> 474	
tcngtggcac ccgtttccgg caccttcaga ctctgaagag ccacctgcga atccacacag	60
gagagaaacc ttaccatgta cgtaagcctc ttgaggccgc tctctgacct gcgggggatgt	120
ggagggcagg gaaggaggtg gagcgaggg aaggaggtgg agcagggagg cagtggaact	180
gtttgctccc atctcaagca cacagtgggg caaccactac gctaattggtt ggaagaccta	240
gatctgggcc caatggccag acaccctgct tgaccttggc ccaagcatta ggggactcat	300
ctttaaaatg agggatatggg actagatgat ctgggcctta ggagaggagt	350

<210> 475
 <211> 835
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (829)..(829)
 <223> n is a, c, g, or t

<400> 475	
cggctnctac cctgcggaga tcacactgac ctggcagtg gatggggagg accaaactca	60
ggacaccgag cttgtggaga ccaggccagc aggagatgga accttcaga agtgggcagc	120
tgtggtggtg ctttctggag aagagcagag atacacgtgc catgttcagc acgaggggct	180
gccggagccc ctcaccctga gatggaagcc gtcttcccag cccaccatcc ccatcgtggg	240

catcgttgct	ggcctggctg	tcctggctgt	cctagctgtc	ctaggagcta	tggtggctgt	300
tgtgatgtgt	aggaggaaga	gctcaggtgg	aaaaggaggg	agctgctctc	aggctgcgtc	360
cagcaacagt	gcccagggct	ctgatgagtc	tctcatcgct	tgtaaagcct	gagacagctg	420
cctgtgtggg	actgagatgc	aggatttctt	cacacctctc	ctttgtgact	tcaagagcct	480
ctggcatctc	tttctgcaaa	ggcatctgaa	tgtgtctgcg	ttcctgttag	cataatgtga	540
ggaggtggag	agacagccca	ccccctgtgc	caccgtgacc	cctgtcccca	cactgacctg	600
tgttccctcc	ccgatcatct	ttcctgttcc	agagaagtgg	gctggatgtc	tccatctctg	660
tctcaacttc	atggtgctgc	gagctgcaac	ttcttacttc	cctaataaag	ttaagaacct	720
gaatataaat	ttgttttctc	aaatatattgc	tatgaagggt	tgatggatta	attaaataag	780
tcaattcctg	gaagttgaga	gagcaataa	agacctgaga	accttccana	atccg	835

<210> 476
 <211> 437
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (18)..(18)
 <223> n is a, c, g, or t

<400>	476	
tgaacaacaaa	tgaatttnta	60
ctacaaat	ttattaaatt	120
taaaaaatat	cttttggtg	180
gctgaggtgg	gtggatcgcc	240
aaacccatct	ctactaaaaa	300
cagctactca	ggaggctaag	360
ggggagctga	gattgtgcc	420
aaaaaaaaaa	aaaaaaa	437

<210> 477
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400>	477	
gcataatgtg	aggaggtgga	60
atgctgactt	gtgtttcctc	120
tctccatctc	tgtctcaact	180
aataagaatc	tgaatataaa	240

aattaaataa gtcaattcct ggaatttgag agagcaaata aagacctgag aaccttccag	300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa	360
aaaaaaaaaa	369

<210> 478
 <211> 642
 <212> DNA
 <213> Homo sapiens

<400> 478	
cttaccatgt cagtgcacag aaatgctgtc ttgggatgta ggaaaaataa atccacaaaa	60
gctaccaagt ttgaagggga ccatgagtct tcaggctgga gcttccaaac cagatgaaaa	120
ccccacaatt aacctgcagt ttaagatcca gcagctggcc atttctggac tcaaggtgaa	180
tcgtctggat atgtatggag aaaagtacaa accctttaag ggcataaaat acatgaccaa	240
agctgggaag ttccaagttc gaacctgaag ggagcatttg ctgagggaat agtcttgac	300
atTTTTTcat ttcttacttg tctaaaagta aaaaaaaata tcagcctgtc tcctaggtca	360
gtccccctct ggacccaccc gctccctttt ttccttagcc ttcagtgcc tggaactaat	420
caagggagga aaaggtcacc agggagaact ggacagaact gaaacacagc aacaccagtt	480
ctcaaggaca aggtgtgtga tgggggtagg aagcttggtg cttatgtaac cattttaaac	540
gtggtttcta taggaaagac caacatttgt ttagcttgct tggctttaat tatctaaagc	600
caatgaaaga cttctttgtt gatTTTTTaa gatagaaaga tt	642

<210> 479
 <211> 912
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (24)..(24)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (808)..(808)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (855)..(855)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (895)..(895)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<222> (906)..(906)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (910)..(910)
<223> n is a, c, g, or t

<400> 479
caaacactat gttatTTTTat gaanaagact tgaacatcta tggatTTTTgg tatttgcaag 60
gggtgaatgg ggtatTTTgca agcagtgaat gaggaggcct ggaaccaatc ttctgctgat 120
attgaggcac aactgaaaaa ggtatattac ttaaattctct tattgtattg taaactgtat 180
aagtaatgaa attaaaaggc agaaattgtc agactgaata aaatgaaaag accaaacaat 240
atgctgctta caagaaacac aattcaaata taaggacaca attagTTTaa aggaaaagaa 300
ctggaaaaga tataccatga taacacaagt cagaagaaag ctgctgtgga tatattaata 360
tgagatgtag atttcagagc agtgaatatt gccaggcata aagaaagtta ttacataata 420
attaaggtat cagttcatca agaagatgta ataaccctaa gtatttatac aactaatatc 480
agagcttcaa aatacatgaa gcaaaaacca gtggaattga taggagaaac acacaattac 540
acaattatag tcagaatttt caacatatct ttctcaatgg agaaaacaac tagacaggaa 600
atcattaagg atatagatga tttaaattat atgatcaact acctggacgt aattggcatt 660
tatggaacac tgcaccacca acagcagagt acatattatt ttcaagtaca cagaaaacag 720
ttaccaatat agaccatttt ctgggtcata aaacacatct caataaatgt aaaacaatta 780
atgttatata aagtatgtgc tctgaccnca aaggaattag agatcaataa aagaacatct 840
ttgaaaaatc tcacntattt aaaaactaat aactcacttc taaataactc ctgtntcaag 900
agaatnaaan gg 912

<210> 480
<211> 873
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (850)..(850)
<223> n is a, c, g, or t

<400> 480
cccagcctca ctgcgccccg tcaggccagg cagctgccct cagggtctgc caagggtgggg 60
gtcaagggcc atgggggcag gtagctctgc ctgcaaagcc cacaagcatg tcagatcacc 120
tgggctgcag acagacaaac acctgagctg ttctgaatac cttcaggttc ctggcctcgc 180
tgagcaagtg cagaaatttt taccttcaag gatcagggtt tttctgtttg tttgtttttt 240
aacacacaca tatgtgaaca aagagtatgc gtttgtactg gcagaagaag cgtctggtaa 300

gacaaccagc aagttaacaa tggtcacctc cagaaatggg ctgggtaaac caaagaat	360
ttttgttttt gttttttttg agtcaggggc tagctctgtc acccaggctg gaacgcactg	420
gtgtgatcac ggctcactgc agccttgacc tccctggctc aagcaatcct cccagctcag	480
cctcctgagt cgttgggact acaggcacgt gccaccacgc ctgacacatt ttttaaattt	540
ttgtagagac agtgtttcac catgttgccc aggcagggtct caaactcctg ggctcaagtg	600
gtcctccagc ttcagcctcc caaagtgcta ggattatagg tgtgagccac agtgcccagc	660
cccgtagtgg agaatttctg ttgaatgaac caaaagcaac tgccaacctc tccatgcacc	720
atgtgtttca gaggagaaag cacagtgaag aatgcagtgt gttctgaggt cctgtcacc	780
ctgaggctgt gtgtgtcctt tgccaaatta aagagtctta ctgaatgcgg tgcattccagg	840
agacaggccn aggtttggac tggtaaaaaa aaa	873

<210> 481
 <211> 778
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (12)..(12)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (79)..(79)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (531)..(531)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (741)..(741)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (775)..(775)
 <223> n is a, c, g, or t

<400> 481	
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tgaccacca ccccatctnt gaccatgagg ccaccctgag gtgctgggcc ctgggcttct	120
accctgcgga gatcacactg acctggcagc gggatggcga ggaccaaact caggacaccg	180
agcttgtgga gaccagacca gcaggagaca gaaccttcca gaagtgggca gctgtggttg	240
tgcttcttgg agaagagcag agatacacat gccatgtaca gcatgagggg ctgccgaagc	300
ccctcacctt gagatgggag ccatcttccc agtccaccgt ccccatcgtg ggcattgttg	360

ctggcctggc tgtcctagca gttgtggtca tcggagctgt ggctcgctgct gtgatgtgta	420
ggaggaagag ttcaggtgga aaaggagggg gctactctca ggctgcgtcc agcgacagtg	480
cccagggctc tgatgtgtct ctcacagctt gaaaagcctg agacagctgt nttgtgaggg	540
actgagatgc aggatttctt cagcctccc ctttgtgact tcaagagcct ctggcatctc	600
tttctgcaaa ggcacctgaa tgtgtctgcg tccttgtag cataatgtga ggaggtggag	660
agacagccca cccttggtc aactgtgacc ccctgttccc atgctgacct gtgtttcctc	720
cccagtcatc tttttgttc ncaataggtg gggcctggat gtctccatct ctgtntca	778

<210> 482
 <211> 666
 <212> DNA
 <213> Homo sapiens

<400> 482	
ttataaggta cttttaagggt attttagttg tcttagtcta ttttctgta ctcacctttc	60
tttatccact catcagttga tgggcatgta gggttggtcc atatctttgc aattctgaat	120
tgtgctgtga tcaggtgtct ttttagtata atgatttact ctcctttggg tagataccca	180
gtagtgggat tgctggatcg aatgggtttt ataattttct attttaccac agtttctctc	240
tgcatttttc ctctttgacc actaaccatg tgaaattctc atattgacct ttataatgat	300
catgaactct tagtatcatt ggaaggcca ctttgccac ttatgattgt aaaccttctc	360
ctccattttt cctgttattg ttggtgcaaa aagcacctat tataccagga ctttaaaaat	420
cagtctgata agtctttgat aagtctaata ataataactg ataagtccat tgaatttgct	480
tctgattact ttttctttag tagctaaaca tgtatgtact cctatgatta caatgaacac	540
tcctctccat ttaaattaat tatttacatt gatgaaatag caaatgtta atgactaaat	600
actgtcttgg ttttttcgtt ccaggtcagt caatattaac ttcttataat tttctttttt	660
ttcttt	666

<210> 483
 <211> 630
 <212> DNA
 <213> Homo sapiens

<400> 483	
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gagccaaagc taagaccccc gaaaccagac gagctaccta agaacagcta aaagagcaca	120
cccgtctatg tagcaaaata gtgggaagat ttataggtag aggcgacaaa cctaccgagc	180
ctggtgatag ctggttggtc aagatagaat cttagttaa ctttaaat tttgacagaa	240
ccctctaaat ccccttgtaa atttaactgt tagtccaaag aggaacagct ctttggacac	300
taggaaaaaa ccttgtagag agagtaaaaa atttaacacc catagtaggc ctaaaagcag	360

ccaccaatta agaaagcggtt caagctcaac acccactacc taaaaaatcc caaacatata	420
actgaactcc tcacacccaa ttggaccaat ctatcacctt atagaagaac taatgttagt	480
ataagtaaca tgaaaacatt ctctccgca taagcctgcg tcagattaaa aactgaact	540
gacaattaac agcccaatat ctacaatcaa ccaacaagtc attattaccc tcactgtcaa	600
cccaacacag gcatgctcat aaggaaaggt	630

<210> 484
 <211> 612
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (461)..(461)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (501)..(501)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (510)..(510)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (563)..(564)
 <223> n is a, c, g, or t

<400> 484	
ggccaccggg tgcaagggtca gggctggggg ggaggctggg aagcccaggg cttggcccac	60
tgtggccgcc ttgtgtggtc actgctttcc tgggcctgct gtgagctccc tctaggaccc	120
caggcctgtc tgggtgggtca ctgtgaccac caccttgac agcacctggc gcgtggcagg	180
tgctcaaaca ttacttgttt cggaatgaac ttcattctgc tcttggcttt ttgactaatg	240
ctgtggaaca tctgactaat tagtgactct ttggggcccc cagtttccca gctataaagt	300
ggtaatatatta agataataat tcggccgggc gcggtggctc acgcctgtaa tcccagcagc	360
actttgggag gccgaggtgg gcagatcacg aggtcagaag atcgagacca tcctggctaa	420
cacggtgaaa ccccatctct actaaaaata caaaaaatta nccgggcgtg gtggcgggcg	480
cctgtagtcc cagctactca ngaggctgan gcaggagaat ggtgtgaacc cgggaggcag	540
aggttgcagt gaaccaagat cgnnccactg cactccagcc tgggcaacag agcgagactc	600
catcttaaaa aa	612

<210> 485
 <211> 362

<212> DNA
 <213> Homo sapiens

 <400> 485
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 gtaaccgcgg gttgcacgca tgcgtgctga aaagcctttc accctcacgt ggtttctttt 120
 ttaaccagtc atcaagcgag gctcgcgcgc agggccccgcg ttggaaaatg gcggggaagc 180
 tgaaacctct gaatgtggag gcgccagaag ctgctgagga ggctgaaggt agtgagggca 240
 agtgggctgc actcctttct ctccaaccag ggcagaaagg agggaggatt cgtcccatta 300
 caataatgaa ataatgatat tctaattttt ttaaataaaa tgттаagcct tttgttattg 360
 aa 362

<210> 486
 <211> 854
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (269)..(269)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (488)..(488)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (557)..(557)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (679)..(679)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (718)..(718)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (748)..(748)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (755)..(755)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (805)..(805)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (810)..(810)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (843)..(843)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (852)..(852)
 <223> n is a, c, g, or t

<400> 486
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 cctacagcgg gcctgccgcc tgctcgtggc cgtctgcgct ctgcaccttg gcgtcaccct 120
 cgtttactac ctggctggcc gcgacctgag ccgcctgccc caactggctg gagtctccac 180
 accgctgcag ggcggctcga acagtgccgc cgccatcggg cagtcctccg gggagctccg 240
 gaccggaggg gcccggccgc cgcctcctnt aggcgcctcc tcccagccgc gcccggggtg 300
 cgactccagc ccagtcgtgg attctggccc tggccccgct agcaacttga cctcggtccc 360
 agtgccccac accaccgcac tgctgctgcc cgcctgccct gaggagtccc cgctgcttgg 420
 taaggactcg ggtcggcgcc agtcggagga ttgggacccc cccggatttc cccgacaggg 480
 tccccanac attccctcag gctggctctt ctacgacagc cagcctccct cttctggatc 540
 agagttttaa atcccanaca gaggcttggg actggatggg agagaagggt tgcgagggtg 600
 gtccctgggg agtcctgttg gaggcgtggg gccgggaccg cacagggaag tcccgaggcc 660
 cctctagccc caaaaccana gaaggccttg gagacttccc tgctgtggcc cgaggctnag 720
 gaagtttttg agttttgggt ctgcttangg cttcnagcag ctttgactg agaacttttg 780
 tagggacctc gagtaatcca ctccnttttn gggactgacg tgaggctccc ggtggggaaa 840
 ganactgacc tntc 854

<210> 487
 <211> 843
 <212> DNA
 <213> Homo sapiens

<400> 487
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 aggctatcca gcgtactcca aagattcagg ttactcacg tcatccagca gagaatggaa 120
 agtcaaattt cctgaattgc tatgtgtctg ggtttcatcc atccgacatt gaagttgact 180

tactgaagaa tggagagaga attgaaaaag tggagcattc agacttgtct ttcagcaagg	240
actggtcttt ctatctcttg tactacactg aattcacccc cactgaaaaa gatgagtatg	300
cctgccgtgt gaaccatgtg actttgtcac agcccaagat agttaagtgg gatcgagaca	360
tgtaagcagc atcatggagg tttgaagatg cgcatttgg attggatgaa ttccaaattc	420
tgcttgcttg ctttttaata ttgatatgct tatacactta cactttatgc acaaaatgta	480
gggttataat aatgttaaca tggacatgat cttctttata attctacttt gagtgtctgtc	540
tccatgtttg atgtatctga gcaggttgct ccacaggtag ctctaggagg gctggcaact	600
tagaggtggg gagcagagaa ttctcttata caacatcaac atcttgggtca gatttgaact	660
cttcaatctc ttgcactcaa agcttgttaa gatagttaaag cgtgcataag ttaacttcca	720
atttacatac tctgcttaga atttggggga aaatttagaa atataattga caggattatt	780
ggaaatttgt tataatgaat gaaacatttt tgtcatataa gattcatatt tacttcttat	840
aca	843

<210> 488
 <211> 578
 <212> DNA
 <213> Homo sapiens

<400> 488	
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tgtagatatg cgacgttatt tctgagggct ctgttctgtt ccattgatct atatctctgt	120
cacatgcaca cgtatgtttg ttgtggcact attcacagtg gcaaagactt ggaaccaacc	180
caaatgtcca acaatgatag accgggttaa gaaaatgcgg cacatataca ccatggaata	240
ctatgtagcc ataaaaaatg atgagttcgt gtcctttgta gggacatgga tgaaattgga	300
aatcatcatt cttagtaaac tatcgagga acaaaaaacc aaacactgca tattctcact	360
cataggtggg aattgaacag tgggaacaca tggacacagg aaggggaaca tcacactctg	420
aggactgttg tgggggtggg ggagggagga gggatagcat tgggagatat acctagtgt	480
ggatgacgag ttagtgggtg cagcgacca gcatgtcaca tgtatacata tgtaactaac	540
ctgcacattg tgcacatgta ccctaaaact taaggtat	578

<210> 489
 <211> 628
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (133)..(133)
 <223> n is a, c, g, or t

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<400> 489
ccgcaacaaa cacgggagtg cagatatcgc tgcgatgggc tgatttcctt tatttgggta 60
tatacccagc agtgggattg ctggattgta tggtagctct attagttttt tgaggaacct 120
ccaaactggt ctncatagtg gttgtactca ttacattcc cactgtgaac cctgaaaatt 180
tgaggcaggt ctcagttaaa ttagaaagtt gattttgcc a gttggggac acgcactcgt 240
gacacagcct caggaggaac tgatgacatg tgcccaggtg gtcagagcac agcttggttt 300
tatacatttt agggaaacct gagccatcaa tcaacatacg taaaatgggc cgggcacagc 360
agctcaagct gtaatcccag cactctggga ggccgaggcg ggtggatcac ttgaggtcag 420
gagttcgaga ccagcctggc caacatggtg aaaccccgtc tctattaaaa atacaaagct 480
tagctggatg tgggtggcgca tgcctgtagt cccagctgct ctaggaggct gaggcattgag 540
aattgcttga acctgggagg cagaggctgc agtgagccga gatcgagcca ctatactcca 600
gcctgggtcaa cagagtgaga ccctgtct 628

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```

<210> 490
<211> 612
<212> DNA
<213> Homo sapiens

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<400> 490
ccacaactgt gttcactagc aacctcaaac agacaccatg gtgcacctga ctcttgagga 60
gaagtctgcc gttactgcc tgtggggcaa ggtgaacgtg gatgaagttg gtggtgaggc 120
cctgggcagg ctgctgggtg tctacccttg gaccagagg ttctttgagt cctttgggga 180
tctgtccact cctgatgctg ttatgggcaa ccctaagggtg aaggctcatg gcaagaaagt 240
gctcgggtgcc tttagtgatg gcctggctca cctggacaac ctcaaggga cctttgccac 300
actgagtgag ctgcactgtg acaagctgca cgtggatcct gagaacttca ggctcctggg 360
caacgtgctg gtctgtgtgc tggcccatca ctttggcaaa gaattcacc caccagtgc 420
ggctgcctat cagaaagtgg tggctggtgt ggctaatacc ctggcccaca agtatcacta 480
agctcgcttt cttgctgtcc aatttctatt aaaggttcct ttgttccta agtccaacta 540
ctaaactggg ggatattatg aagggccttg agcatctgga ttctgcctaa taaaaaacat 600
ttattttcat tg 612

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<210> 491
<211> 677
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

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<400> 491
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 taccacaaga agcgggaagta tgagttgggg cgcccagctg ccaacaccaa gattggcccc 120
 cgccgcatcc acacagtccg tgtgcgggga ggtaacaaga aataccgtgc cctgaggttg 180
 gacgtgggga atttctcctg gggctcanag tgttgctact gtaaaacaag gatcatcgat 240
 gttgtctaca atgcatctaa taacgagctg gttcgtacca agaccctggt gaagaattgc 300
 atcgtgctca tcgacagcac accgtaccga cagtgggtac agtcccacta tgcgctgccc 360
 ctgggccgca agaagggagc caagctgact cctgaggaag aagagatttt aaacaaaaaa 420
 cgatctaaaa aaattcagaa gaaatatgat gaaaggaaaa agaatgccaa aatcagcagt 480
 ctctggagg agcagttcca gcagggcaag cttcttgctg gcctcgcttc aaggccggga 540
 cagtgtggcc gagcagatgg ctatgtgcta gagggcaaag agttggagtt ctatcttagg 600
 aaaatcaagg cccgcaaagg caaataaatc cttgttttgt cttcacccat gtaataaagg 660
 tgtttattgt ttttggt 677

<210> 492
 <211> 736
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (4)..(4)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (74)..(74)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (83)..(83)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (724)..(724)
 <223> n is a, c, g, or t

<400> 492
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 caaccacctt gggnacatgt ggngaggacc tcctgaggct gtgtcatggg cacaccttaa 120
 ccctgggaaa ataaactttc taaactgact tgagagctgt ctgagatatt ctgagcttac 180
 agttattgtg aaatcatttt aattataaat taagtggaga ttactttaa atcatgtgta 240
 gaagtagcct gtgatatagt cctagatata tacattatca tcttatgtat cttccctccc 300
 tcttcaggt tctgataaaa acagatgaaa tctgaaagac catgacagta gtattttgaa 360

aatgacagta tttgaaatta aaaaattgta aaagtgttct gttctatcac tgccaaagga	420
taagttacaa attggttctt ggaacgtaat atgtactatg tgcttgctat ttaataattt	480
accagtctta gtctttttta ttcagactaa ttttaccttt ttttaacctg tgactcttta	540
gttatagtag tacaaaaaag tagtttttagt tatagtttta gttgtagtac aaaaaagcat	600
tttctgtaag ctttaatttct ttccccttcc cgctttccca gtcagatgac tttagtgtt	660
tggagttgtg tgctttataa gtgcattcct cagaggactt aatattacta agatttttagc	720
aacnctgaaa tatgtt	736

<210> 493
 <211> 579
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (4)..(4)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (70)..(70)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (72)..(72)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (149)..(149)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (249)..(249)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (265)..(265)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (358)..(358)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (435)..(435)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature

<222> (438)..(438)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (556)..(556)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (559)..(559)
 <223> n is a, c, g, or t

<400> 493
 tgtncctgta gtcctgtgtg ggaggattgc ctgagcctag gagctcaaag ttgcagtgag 60
 cccagatcgn gncattgcag tccagcctgg gtgacagagt gagaccccat gtcaaaaaaa 120
 aaaaaacaaa aaacaggggc ctgcctcanc cagcaggtga ggtctgccac tgagagcact 180
 tctagcagca ggaacagcct ccacccccac actgcaatca agtttttttg gtcagcctta 240
 ggagctaana aagggcctag tttgnctaaa tagcaggagt tatatccagg gatcttcagg 300
 cccaggaatg ctaatgagta ggcattccat gggccctggg aatggccttg tgtgccanaa 360
 atgatggcca caaaggcctt gctgcctttt ttcaaaatgg ctgcatccag ctgagtgtct 420
 tctgccaaag ggganaanaa aataagtctc cagtgcattt agattgggtct ctcatcatct 480
 ctctcctttt tgtttttatt agtctcctta accaaaactg ccaagaaagg cttggaattg 540
 aaacaaaacc tgatanaana ggtaagaggt tgttcctttt 579

<210> 494
 <211> 752
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (4)..(4)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (27)..(27)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (59)..(59)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (88)..(88)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (373)..(373)

<223> n is a, c, g, or t

<400> 494

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ttaggtaaat tttcaccagt attagttnta ttgcaaact gaaaaatggt gtaggcttaa      120
tataaaataa ccacattagt gaacattata tctcttagaa gaaaggccat attttgctcc      180
tgcttctgta aaaatattat ttgtttgaag gggaaataat ggtagtgtga cctttcactt      240
aattcctact cccttaatgt gagagagaca aaatgagctg aagaaggaaa attctggagt      300
tacactccac aaccttgaac atactgacgg acatctctgt ttgacaacg atttctccat      360
gccacccatg ctntaatgcc ttgtggatca cggacaaccc tctttgcaca agctacagca      420
tcagcgatgt tatcttgacg caaagcactg caggataaat gacaggcatt aactgctcct      480
gggggttttg catcattaca ccagtagcgg ctattgatct gaaatatccc ataatacagt      540
cttctgtctc cagcattgta gtttgtagct cgtgtgttgt aaccactctc ccatttggcc      600
aaacacatcc agtttgctag gctgattccc ctgtagccat ccattcccaa tcttttcaga      660
gttctggcca actcacacct ttcaaagacc ttgccctgga ccgtaacaga aaggaggaca      720
agccccagaa caatgagagc cttcatgttg ac                                     752
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<210> 495

<211> 414

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (103)..(104)

<223> n is a, c, g, or t

<400> 495

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ttggtacccg ggaaattctt tgccgcgtcg acggccggtg aggcagatca cctgagccca      60
ggagttcagg accagcctgg gcagcatacc gggattccat cttnactaaa aacagtaggc      120
tggggtgtggt ggctcatgtc tgtaagctca ggactttgga aggccaagat gggaggatca      180
cttgagcctg ggagtttgac accagcttga gcatcgtagc caggccctga ctctacaaaa      240
aagtgaaata attagccgag tgtggtggtt cacacctgta atcccagctg ctcaggaggc      300
tgaggttagga gaatcatttg aaccggggag gtggagggtt cagttagccg agatcacgcc      360
attgcactcc ggcctgggag ataaagcgag actctgtctc aaaaaaaaaa aaaa          414
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<210> 496

<211> 670

<212> DNA

<213> Homo sapiens

<400> 496

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attcgggccg agatgtctcg ctccgtggcc ttagctgtgc tcgcgctact ctctctttct      60
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ggcctggagg ctatccagcg tactccaaag attcaggttt actcacgtca tccagcagag	120
aatggaaagt caaatttcct gaattgctat gtgtctgggt ttcattccatc cgacattgaa	180
gttgacttac tgaagaatgg agagagaatt gaaaaagtgg agcattcaga cttgtctttc	240
agcaaggact ggtctttcta tctcttgtag tacactgaat tcacccccac tgaaaaagat	300
gagtatgcct gccgtgtgaa ccatgtgact ttgtcacagc ccaagatagt taagtgggat	360
cgagacatgt aagcagcatc atggagggtt gaagatgccg catttggtt ggatgaattc	420
caaattctgc ttgcttgctt tttaatattg atatgcttat acacttacac tttatgcaca	480
aaatgtaggg ttataataat gttaacatgg acatgatctt ctttataatt ctactttgag	540
tgctgtctcc atgtttgatg tatctgagca gggtgtcca caggtagctc taggagggt	600
ggcaccttag aggtggggag cagagaattc tcttatccaa catcaacatc ttggtcagat	660
ttgaactctt	670

<210> 497
 <211> 489
 <212> DNA
 <213> Homo sapiens

<400> 497	
ggatTTTTTgg tccgcacgct cctgctcctg actcaccgct gttcgctctc gccgaggaac	60
aagtcggtca ggaagcccg gcgcaacagc catggctttt aaggataccg gaaaaacacc	120
cgtggagccg gaggtggcaa ttcaccgaat tcgaatcacc ctaacaagcc gcaacgtaaa	180
atccttgga aaggtgtgtg ctgacttgat aagaggcgca aaagaaaaga atctcaaagt	240
gaaaggacca gttcgaatgc ctaccaagac tttgagaatc actacaagaa aaactccttg	300
tggtgaagg tctaagacgt gggatcgttt ccagatgaga attcacaagc gactcattga	360
cttgcacagt ccttctgaga ttgttaagca gattacttcc atcagtattg agccaggagt	420
tgaggtggaa gtcaccattg cagatgctta agtcaactat tttataaat tgatgaccag	480
ttgttaaaa	489

<210> 498
 <211> 362
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (307)..(307)
 <223> n is a, c, g, or t

<400> 498	
cttattgaaa attttactaa tttcttactt tttaggtttt aggagaatac ttttggataa	60
ttgactagcc tcacattata ttgatagagg ttcttgaaaa ctttaatgcc aattcatgta	120

tcttatgact	aaaatagata	atccatttag	aaatttaagt	cattcttgcg	tgcttgatat	180
gtgtcagcac	tatccaagtt	gctaggggat	acaatggtga	agtgaaaata	tcagctaggt	240
gccggtggct	cacacctgtt	atcccaacag	tttgggaggc	caggggtggga	ggatcactca	300
agcacangcg	tttcacacca	gcctggacaa	catacaagac	cccatcttta	ccaaaagtta	360
ag						362

<210> 499
 <211> 382
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (193)..(193)
 <223> n is a, c, g, or t

<400>	499	
ttttcttaga	actttatattt	ttctggccag ggcgagtggtc tcacacctgt aatcccagca 60
ctttgggagg	ccaaggcagg	tcgatcacct gaggtcagga gctcaagacc agcctggcca 120
acatggtgaa	accctgtctc	tactaaaaat acaaaaatta gctgggcggtg gtggcgcatg 180
cctgtaatcc	canctactca	ggaggctgag gcaggagaat tgtttgaacc cgggaggcg 240
aggttgcagt	gagccgagat	tgcgccactg cactccagcc tgggcaacag agcgaaactc 300
catctcaaaa	aaaaaaaaaa	aaaacaacct ttattttttc tgatttttaa agtaataact 360
agttttaga	aacattaaaa	gt 382

<210> 500
 <211> 556
 <212> DNA
 <213> Homo sapiens

<400>	500	
tccttcggaa	gcgcgccttg	tgttggtacc cgggaattcg cggccgcgtc gacgcggtcg 60
taagggtcga	ggatttttgg	tccgcacgct cctgctcctg actcaccgct gttcgctctc 120
gccgaggaac	aagtcggtca	ggaagcccg cgcgaacagc catggctttt aaggataccg 180
gaaaaacacc	cgtggagccg	gaggtggcaa ttcaccgaat tcgaatcacc ctaacaagcc 240
gcaacgtaaa	atccttgga	aaaggtgtgtg ctgacttgat aagaggcgca aaagaaaaga 300
atctcaaagt	gaaaggacca	gttcgaatgc ctaccaagac tttgagaatc actacaagaa 360
aaactccttg	tggtgaagg	tctaagacgt gggatcggtt ccagatgaga attcacaagc 420
gactcattga	cttgcacagt	ccttctgaga ttgttaagca gattacttcc atcagtattg 480
agccaggagt	tgaggtggaa	gtcaccattg cagatgctta agtcaactat ttttaataaat 540
tgatgaccag	ttgttt	556

<210> 501
 <211> 464
 <212> DNA
 <213> Homo sapiens

<400> 501
 gcggctgctg ttggttgggg gccgtccgc tcctaaggca ggaagatggt ggccgcaaag 60
 aagacgaaaa agtcgctgga gtcgatcaac tctaggctcc aactcgttat gaaaagtggg 120
 aagtacgtcc tggggtacaa gcagactctg aagatgatca gacaaggcaa agcgaaattg 180
 gtcattctcg ctaacaactg cccagctttg aggaaatctg aaatagagta ctatgctatg 240
 ttggctaaaa ctggtgtcca tctactacagt ggcaataata ttgaactggg cacagcatgc 300
 ggaaaatact acagagtgtg cactactggct atcattgatc caggtgactc tgacatcatt 360
 agaagcatgc cagaacagac tggtgaaaag taaacctttt cacctacaaa atttcacctg 420
 caaaccttaa acctgcaaaa ttttccttta ataaaatttg cttg 464